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—Our final day on the Tokaido—Speed of the *jinriki-sha* men—Neglected state of the great high-road—Second arrival in Tokio—A hearty welcome . . . . . *Pages* 293–310

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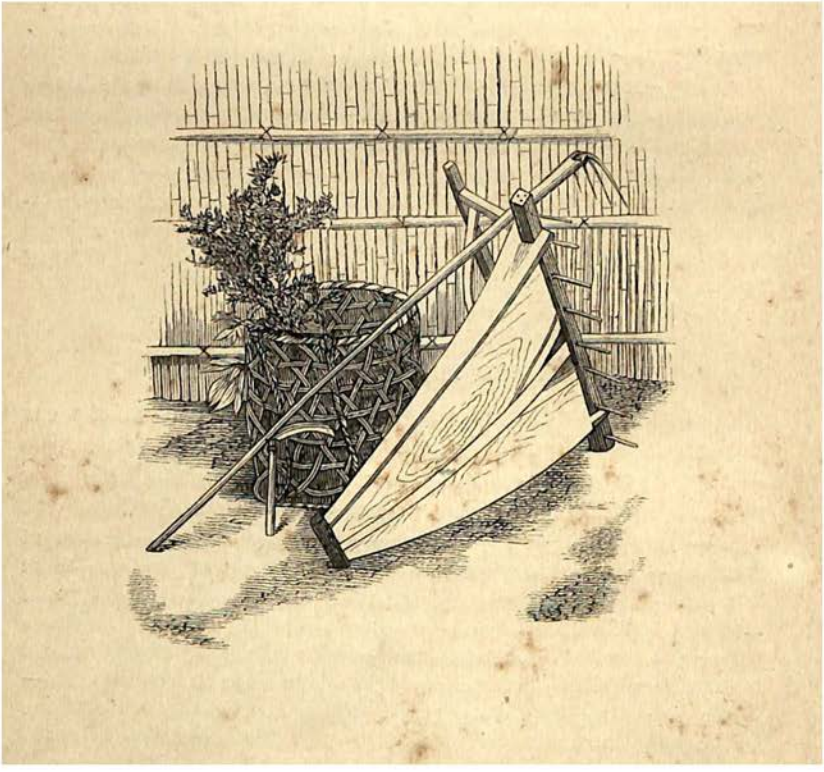

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BC 4B.-./B .K.-0..G.4 4A BC-=EAC BC.0<@ ;./< ;BC. G HBE-./ME. /C=-./ = <G<4 A-<0E< @ 0 /G <@.0 </ ;. <GG-=<HC.0 >-=L.4 </ BC.@ <-. <40 </ <-B /B/ 5E/B .NE B B= /..BC.5 4B=C /<40 C.<0 <40/ K< .@/<40 /<40& C.<HC./ -=HL/<40 H<K./ 4 40./H- ><> .K<- .B@ 4 5<4@ <4 /<40 <40 G-=5=4B=-@ /B<40 ACBC=E/./ : BC=/.>.<H=4/ = H K /<B =4 = ;C HC <4@ 4<B =4 5<@ ;. >.G-=E0"9 C.0<@/ >. 4A /C=-B <B BC /./.</=4 = BC.@.<- 4 ACB H<5.=4 <40 BC. ACBC=E/./ > <?.0 =-BC =4A >. =-. ;. -.<HC.0 BC. -=<0/B.<0 = =L=C<5< ;C.-./B.<5& <E4HC./

(* 3 /2 && */(:7 /'(0 '1-'* -3- L -8-'-/2 -/ O%/ - -::-.:*2 (3 %/(- /' -11 2 /;'('(0* '. ' C (/ ' 3.F (-/1*6

V G 0*' & '( ) *+' &(0*1 -'(&, .-./ +0 *0 /* =(- /' -&(* '&)* ' ' >2-7'F) 7-;*& 3 /;' < /;'' -')* 7 &- ' '.*1 3*/' &(: *1 -'('1*/* 7 /';*/* -:' ::'' &.*1%: - :7 '0-. %(: /*' -/2 +0 10 =*- '%/C 3 '(-8-=:* ' ;/'' &) :1-/ 1' & 3-C (/ '*/2 (0* '%/2*2 '.% ' %('*-+- 2 /' '%10 -' +-7 -' ('& 3 -: /;'(0* */(*1 -'(-' '* *' &'3-::' =-7'' /' ' 3* &(0* 3 * . (*1(*2 &+0 10 3-7 =* '**/' : ((:* /*'(' &; *7 0%(' ' + (0 (0* ' /*) (-=:* -11 3./ 3*/(& ' /;:*63-'(*2 5%/8'':7 /;'-(-/10 '1: '* /' ('(0* '0 *)* 7 / +' -/2 (0*/ -' : ((:* +0 (* '-:' + ::' = '**/' '8 3 3 /;' -: /;'.-'((0* '0 *' (0* 0%::' &(0*)*''*:' &(*/' =* /;' %(& ' ;0((' .-''*/;* ' /' (0* 3-:' '(*-3* ' ' +0 10 /-(% -::7 ;)* (0* 1 -'(-' + 2* =* (0 ((3*' (0* 0 ::' + ::' &-::' -+-7 */ %;0 (' ;)* 7 % -;' ;: 3.'* /('(0* /(* ' &(0*1 %/(7'+0*/' 7 %' '** (0* '' -/;* =*7 /2 -/;*' &(0* '-3*)- *2 -/2 .1(% *'B%* & 3'' /1 *-' /;'-..- */(:7 /'0* ;0(/'. . (/'('(0* '2 '(-/1* /:-/2 (0 (0* *>1*.(/' &(0 '* /*- *'(('(0* 1 -'('(0*'* 0 ::'' -..*-' .*((7 (0 18:7 + 2*2'-/2 *)*/' (0* =- * .-('' -*)* ; +/'+(0 ; -''' +0 10 /' (0* +/(* '' &-' 2**.' '(-+ 1 : % '(0* *'%:(&(0* '1 10 /;' '%/' &(0* .*1*2 /;'%3 3* 0 '' '1*/* 7')- 7 /;': ;0(:7 -((3*'' & 1 % '* *.*-('' ('*:&1 /(/%-::7 -''7 % .-''-: /;'(+- 2'' (0* %:& &*2 + -/2 (0*/ (0* '0 * =*1 3*'' 3 * 187 -/2 (0* '% & & 3'' - = 8*/' : /* &+0 (* -'' &- '-'' (0* *7* 1-/ *-10

G ':-/2'' 11-' /-::7 : 3 %.' /' (0* '*-+- 2 ' 2* :N0* :-'(-/2 & /*'(=* /;'(0-(& W *' F ' W '0 3-F -/ -1( ) *) :1-/ ' +0 10 1 /(/%-::7 . % '' & (0 '3 8* -/2 11-' /-::7 &:-3*' /' -&(* ' .-'' /;' (0*'* ':-/2'' (0* %:& &*2 ' '' *-10*2 -/2 (0* '0 *'' 1: '* /' ('(0* *-'(* /' /* 8**. /;')* 7 : +' ;0(%.' (0* =-7' (0* +*'(* /' /* -:' ' =* /;' -' : ((:* :*'' 0 ::7 -/2 3 * (0 18:7 + 2*2'(0-/'=*& *

G 0* %:& &*2 ' '' *>(*3*:7 +*::' '%..:*2 + (0 : ;0(0 %'*'' &)- %'' 8 /2'' =7 - 2 & +0 10 3-:' '(*-3* '' -* -=:* ('. 1**2 '(- ;0(('(0* ' 3 /;'' /6 8 :-3-'9-7' -(+0-(*) * ' (3* (0*7 -)*6

0 '' / (*' -/2 ' 3* (0* ' / (*'' +0 10 & :: +' =*- /;'1 *'. /2 /;' / (-:'' - * & 3'(0* .*/ & 37 ' / ' +0 ' -11 3 -/ *2 3* /' 37) '((' ,-.-/

; .-. ; < B 4A B= B<L. E/ B= BC. /C=-. <40 EB BC. C=E- ; </ <B. <40 ; . C<0 G-.K =E/ @ 0.I B.-5 4.0 B= -. 5< 4 =4 >=<-0 =- BC. 4 ACB <40 BC.-. =-. /.4B =E- H=5G 5.4B/ <40 <G= =A ./ B= BC. - .40/ < ; < B 4A E/ 4=B 0=E>B 4A BC<B BC. - H=4K.4 .4H. L. =E- = ; 4 ; =E 0 BCE/ >. >./B /.HE-.0

<- @ =4 BC. 5=-4 4A = BC. BC ; . ; .4B EG=4 0.HL <40 /< ; BC. G .</<4B B= ; 4 = =L=C<5< ; BC B/ =4A 4. = E-=G.<4& ==L 4A >E 0 4A/ .NB.40 4A < =4A BC. /.<& - 4B <40 B/ HC<-5 4A -./ 0.4H./ C AC EG =4 Q C. E "R =4 =E- . B 4 BC. -=<0/B.<0 =- C<->=E- ; .-. /C G/ = < 4<B =4/ 4H E0 4A - B /C 5.- H<4 <40) .-5<4 5.4&= & ; <- ; BC BC. <A = <G<4 =<B 4A G-=40 @ -=5 5<4@ < ; <-&K.//. =4. = ; C HC BC. -=4H <0 - A<B.) " C<0 5@/. C<0 BC. G- K .A. B= 0./ A4 <40 C<K. >E B =- C / 5<J./B@ BC. .5G.-=- B.- >-.<L </B BC. /B.<5& <E4HC./ ; .-. <A< 4 < =4A/ 0. <40 /.K.-< @=E4A = H.-/ ; C=5 ; . C<0 L4= ; 4 4 4A <40 C<0 H=5. =EB 4 BC.5 B= ./H=-B E/ B= BC. G=-B& <05 -< 3/ <40 4A&G <H. ; C.-. ; . ; .-. 5=/B H=-0 < @ -.I H. K.0 >@ BC. - .NH. .4H ./ 05 -< #< ; <5E-< <40 - 4=E@.#< ; =- BC. 5 4 /B.-/ = 5<- 4. <40 = GE> H ; =-L/ -./G.HB K. @ >=BC = ; C=5 ; . C<0 C<0 BC. G .</E-. = L4= ; I 4A 4 4A <40 BC BC.5 ; .-. 05 -< B= <40 /.K.-< 4<K< <40 H K = H.-/ /=5. = ; C=5 ; . < -.<0@ L4. ; <40 =BC.-/ ; C=/. <HME< 4B<4H. ; . BC.4 5<0. =- BC. -/B B 5. </ ; . 0 0 < /= BC<B = <GB< 4 < ; ./ <4 4A /C = H.- ; C= C<0 ./B<> /C.0 <40 >-=EACB B= < H=40 B =4 = A-.<B .NH. .4H. < H=-G/ = <G<4./. 5<- 4./ ; C=/. 0 /><405.4B /E>/.ME.4B .K.4B/ C<0 >-=EACB <>=EB 9

E- -/B .4B.-B< 45.4B 4 <G<4 ; </ <B < /5< >EB . .A<4B BB . /E55.- -./ 0.4H. / BE<B.0 EG=4 < C =K.-I ==L 4A BC. ><@ ; C HC =-5.- @ >. =4A.0 B= - 4=E@."

M L # -.(-+ " +* +* * /C (0* . *.- -(/ & - ;% 2*= 8 (2*=(*2 & 3 -/7 8 /2/*'*" 2% /; , - . - / +0 10 +2:: =* & (0* %(3 '(% '(-7 %/2* '(-/2 (0-(/'1 /6 '*) 1* ( ) ' (' -/2 2 %=(:*' 5%/1(/ + (0 /*'(-(+ (0 " 0*:. (((-1('(-/;* " ((0* -11 3.: '0*2 &9 * " */;-;*2 / 4: +* 7 -/2

>EB C</ = <B.@.<-/ >..4 .5G =@.O </ <B.5G=-<-@ -./ 0.4H. =- BC. L<0= =4 BC. =HH</ =4/ = C / K / B 4A BC. ..B =- 5<L 4A < /.< G<//<A. B= =- -=5 C / H<G B< BC=EAC >E B <40 G-=K 0.0 4 E-=G.<4 /B@ . BC. BB . G< <H. >=-. BC-=EAC=EB B/ BB 4A/ E-4 BE-. <40 0.H=-<B =4/ BC. E45 /& QB<L<C . 5G-./ / = BC. <G<4./. <-B /B <40 C<40 H-< B/5<4 C. ; < / ; .-. CE4A ; BC <G<4./. G HBE-./ >=BC <4H .4B <40 5=0.-4(BC. HE-B< 4/ ; .-. = - HC <G<4./. / L(BC. H<-G.B/ <40 -EA/ = 4<B K. 5<4E <HBE-.(BC. E-4 BE-. = ; ==0/ <40 0./ A4/ /G.H < B= BC. H=E4B-@ ; C . >.<EB E /G.H 5.4/ = 4 < 0 <HME.-& ; =-L <B/E5< <40 # @=5 0?E <40 /H-..4/ = # =B= .5>-= 0.-.O / L <0=-4.0 BC. /.K.-< <G<-B5.4B/ E4HC.=4 = E-=G.<4 B@G. .5GC<I / /.O BC. ; . H=5. ; C HC C<O >..4 A K.4 E/ <40 <//E-.0 E/ = BC. H=-0 < C=/G B< B@ ; BC ; C HC ; . ; .-&. B= >. B-.<B.0 >- . K / B B= BC. H E> BC. G- K .A./ = ; C HC ; .-. /.HE-.0 =- E/ >@ BC. L 404.// = <GB< 4 < ; ./ =HHEG .O BC. =4 @ B 5. <K< <> . >. =-. BC. 0.G<-BE-. = =E- B-< 4 B= BC. .</B.-4 H<G B< 9

M G / /;: '03-/ -) /; / 8 0-3- : 8 /;-((: * (+/ & 3 - '0 . / (0 =-7 + :: 0-) ' / 2 (1/:(7 -(& '(/ 2 '1) /;- -/7)* 7 /)*:& *-(% * / (''-. .*- -/1* E (0* : &(/ -0 :: 0* '**' % C .*-/ 0 %'*'L /'-0% 2-/**N / : -: /;' (0* '0 * - * :- ;* '(/* =% :2 /;'' 0 (*:' ' '(*60 %'*'' -/2 1:%=' '%10 / '' 3-7 =* '**/ / -/7 '*-. ((+/ -(0 3 'N -/2 + (0 - '1 * (+ & '(*-3 * ' & *)* 7 8 /2 / (0* & *C ; %/2' ('' /2**2 0- 2 (*-: '* (0-(0* ' &-1* (&-1* + (0 (0* :-/2 &(: * 8-2 ' 9%((0 '2 '-. . /(C 3*/(2 *'' / (:- '(: / ; *0-'' =%((': &(0 '' *7*' -/2 : 8 =*7 %2 -/2 (0* * (+ /;-=)* -:: (0* /*- * 0 ::' '0 ' '**'' 4%5 67' 3- (0* 3 /'(* (/ +61/..*2 3 %/(- / +0 10 & 3'' - =-18; %/2 & ' -:: (0* :)*: *'('1*/*' / , -./ ' (*-3* ' 0 (*:' ' -/2 '(*6: %'*' - * & ; ((*/ / - 3 3*/(' -/2 0* =*1 3*' & ' (0* (3* - , -./*'* ' -(-/7 -(* - + '0 ..* & 4%5 G 9%(/ +'(0* = -(' +0 10 - *(' (-8* 0 3' -'0 *1 +2 %/2' -/2 0* 0-'' ('. '(. /*&% (0* '1 /(*3.:-(/ ('- 3 *'% (-=:* .. (%/ (7 0* = -(3*/ -/2 = -('' - * , -./*'* -(-/7 -(* , *3*/ - *2 *''*2 / - : '*' (& =* + (: '0-/ ; /;'':**)*' ' 0*7 +' + (0 : /;'' +**. '' (*2 ((: * ' 2* &'(0* = -(' -/2 + 8*2 / - 8/2 &'1%:: /;'&-'0 / + (0 (0*=:-21'' /*- :7 %/2* ' (0* '(* / &(0* = -(/ *-10 /;' (0* '0 * -/2 0-) /;' .-''*2 (0 %;0 (0* 2*-: & (0* 1% 6@(3'' -' '(-/;* ' & /2'' 0 3'*:& / (0* 3 2'(&- 1% %':7 3 >*2 . .%C :-(/ ' * * 0* '*1'' / (0* '-3* 3 /%:* /;: '03*/ ' 3* 1-/' * 3-/'' 4 */103*/ ' #0 /-3*/ -:: & (0* 3' &**: /;' - . - */(:7 -(0 3 -/2 '** 3 /;' /'' & (+-'' (0* 3 '(/-(% -: (0 /;' / (0* + :2 & ' *-10 & (0* 3' (' = ' (0* * ' (0* , -./*'*

$ 0 , - 1 / 0 . .

. =-.G-=H..0 4A&; BCBC.4<--<B K .==E-K / B"B= =L = B 5<@>.; . B= G<E/./E H .4B @ =4A B= 5 .4B =4 BC. .N /B 4A -< ; <@ <HH=5 5=0<B =4 = <G<4 C.-. <-.>EB BC-.. 4./ = -< ; <@ @.B H=4/B-EHB.0" K ? BC<B EG=4 ; C HC ; . ; .-.<>=EB B= B-<K. -=5 =L C<5< B= =L =" < 0 /B<4H.= 5 ./(< /.H=40" -=5 BC. =G.4 G=-B = #=>. B= BC. A-.<B H=5 5.-H < H B@ = /<L<" ; C HC / 22 5 ./ =4A(

<40 < BC -0" -=5 /<L< B= BC. ; ./B.-4 H<G B< = # =B=" ; C HC / 27 5 ./ 4 .4ABC C./. </B&4<5 .0>. 4A H=4I B 4E=E/" 5<@>. H=4/ 0.-.0 </ =4. 4. = S "* 5 ./" -=5

; /;(:* +/+-7 B%(* %/1 /6 -/2 & 3 (0 " /(-:: +* '0-:: 1 / 2 " 0* 3)*" &- (0* /('**' / 8 0-3-3-7 =* '**/ / (0* (+/ 0 +*)* (:* .% *:7 -/7 (+/ (0 %;0 %((0* 1 %/(7 P -.- 1' . .%:-(/ -..*- " / -:: H ("/)*:(7 -/2 . 1(% *'B%*/1''

#=>.' B=' # =B=' .K.-<' =BC.-' 4./' C<K.' >..4' < 0' =EB'' </' /C= ; 4' 4' BC.' G <4'=4' BC.' G-.K =E/' G<A.'' = ' ; C HC' BC.' G<-B/' 0-< ; 4' 4'<' H=4B 4E=E/' > <HL' 4. C<K.' >..4' H=5 G .B. @' G <44.0' <40' ./B 5<B.0' =-'' BC.' /C=-B' G .H.' -=5' # =B=' B=' B/E' >. 4A' < -.<0@' 4' C<40' <40' ; . ' <0K<4H.0(; C .' BC.' 0=BB.0' 4./' 40 H<B.' <' 5EHC' 5=-.' .NB.4/ K.' /@/B.5'' ; C HC' H<4' /H<-H. @' C.' /< 0' B=' C<K.' <0K<4H.0' 5EHC' >.@=40' BC.' -.A =4' = ' 5<A 4<B =4T' < BC=EAC' BC.' A.4.-<' -=EB./' 40 H<B.0' C<K.' >..4' 5=-.' =-' .//' .N<5 4.0' <40'0.B.-5 4.0' EG=4' C .'/G.<L 4A' =' 4H-.</.0' H=5 5E4 H<B =4' ; BC' BC.' G <4'>. =-.'E/'' B' 5<@'>.' ; . 'B=' 5 .4I B =4' BC<B' B' C</' >..4' =-' H.4BE- ./' G</B' BC.' C=G.' = 'BC=EACB E ' <G<4./.' BC<B' <' H<4<' ; =E 0' C.' HEB' -=5' /E-EA<' B=' BC.' 4=-BC.-4' .NB-.5 B@' = ' <L.' ; <'' =-' BC.' GE-G=/.' = ' <0 5 BI B 4A' /C GG 4A' -=5' BC.' =H.<4' 4B=' BC.' <L.'' <40' BCE/' H<--@I 4A' /.<&>=-4.' G-=0EH.' 4 <40' B=' B/E'' ; C HC' /' ; BC 4' 4 4.' =-' B.4' 5 ./' = ' BC.' ; ./B.-4' H<G B< ' C.' ; C= .' .4ABC' = ' G-=J.HB.0' -< ; <@/' <>=K.' 40 H<B.0' /' <>=EB' 7 ' 5 ./'' = ' ; C HC' SP' C<K.' >..4' H=5G .B. @' G <44.0' <40' 4' G<-B' H=5I 5.4H.0'' BC.' -.5< 4 4A' S ,' 5 ./' >. 4A' <B' G-./.4B' >EB' BB .' 5=-.' BC<4' B< L.0' = ' C.' 4.' -=5' =L=C<5<' B=' =L =' ;</' H=5 5.4H.0' 4' 7,'' <40' =G.4.0' =-' B-< H' 4' HB=>.-' ,2' C.-.' <-.' <-A.' /B<B =4/' <B' BC.' B.-5 4 '' <40' /5< .-' /B<B =4/' <B' /.K.-<' 4B.-5.0 <B.' G <H./' NB.4/ K.' ; =-LI /C=G/' .N /B' <B' =L =' B' /' /< 0' BC<B' BC.' -.H. GB/' =-' G<//.4A.-' B-< H' < =4.' =4' BC /' 4.' -.<HC' 4.<- @' U ' G.-' 5 .' G.-' ; ..L'' <40' ; ' BC.-. =-.' H=5G<-.' ; . ' ; BC' BC=/.' = ' -/B&H </' 4A /C' -< ; <@/' 4A /C' <40' H=BHC' .4A 4.&' 5.4' <40' 0- K.-/' <-.' /B ' .5G =@.0' EG=4' BC.' -< ; <@'' >EB' BC.' 5<4<A.5.4B' = ' BC.' B-< H' <40' BC.' ; =-L 4A' = ' BC.' /B<B =4/' <-.' H=40EHB.0' .4B -. @' >@' <G<4./.

>=EB' K.' 4' BC.'< B.-4==4' = 'BC.' BC' ; .'-.<HC.0' =L ='' ; C.-.' <' H-= ; 0' < ; < B.0' =E-' <-- K< '' <BB-<HB.0' 0=E>B .//' >@' BC.' H -HE5/B<4H.' BC<B' =4.' = ' BC.' H<-- <A./' 4' ; < B 4A' >. =4A.0' B=' BC.' A=K.-45.4B'' <40' >=-.' <5=4A' B/' 0.H=-<B =4/' BC.' 5G.- <' H-./B'' ' .;' 5 4EB./3 0- K.'' 0E- 4A' ; C HC' ; .' H=E 0' 4=B' >EB' >.' /B-EHL' >@' BC.' HC<-<HB.- /B H' .<BE-./' < L.' = 'BC.' H B@' <40' = ' BC.' G.=G .'' >-=EACB' E/' B=' BC.' -./ 0.4H.' = ' 05 -<' #< ; <5E-<'' ; C.-.' ; .' =E40' =E-/. K./' 0. ACB E @

two broad wooden uprights at toe and heel. A straw cord comes up between the big toe and the next one, and separates into two parts, which join the clog halfway along. As there is no fastening at the back, a continual drag has to be kept on the clog or it would fall off, the result of which is that very shambling gait which is one of the peculiarities noticed in walking through a Japanese town. This young man, like most others now, has allowed his hair to grow all over his head in European fashion.

"But before going further we must notice the arrangement of the hair which is peculiar to the Japanese men. The head

HAIR OF LABOURER.

is shaved, from the forehead to a little behind the crown. The hair is grown at the sides and back, then a kind of short pigtail is made of the upper part of the back-hair, which is stuck together with cosmetic, doubled, and the point brought partly over the shaved part of the head, as in the engraving above. This practice is fast dying out, though, and even now is almost confined to the working classes.

"Let us now take a glance at a shop or two, and see in what they differ from those we are accustomed to. Here on our right we see a low-built wooden house. We go inside the door; the proprietor is sitting on his heels on the floor, which

C=5. B /BC./ A4BC<B@=E<-.<GG-=<HC 4A< C 4B=B.5G .<40 @=E==L>.@=40@=E ; /..4./B .0<5=4ABC.B-../BC./B..GBC<BHC.0-==BC.B.5G ./B/. <; C HC/.4B.-.0>@<ACB=/B.G/<B<BC.==B=; C HC5<@>./..4<BB .A-=EG=0.K=B../5<L 4ABC. -=>./<4H./>. =-.BC./C-4. K.4<B<BC /0/B<4H.<; .==L H<-. E @4B=BC./C<0=;H</B>@BC.=K.-C<4A 4A-==<; .H<4/..BC.A 55.-=BC.-=E40 5 --=-; C HC<GG.<-/B=>.=4.=BC./@5>=/=BC. C 4B=<BC 9

Q /; .0-<;4.<-.-; . 40BC<B BC.<-HC;<@; .C<K.4=B H.0H=4//B/=B;=<-A.EG- ACBG=/B/=5.B;=<40<C< ..B 4 0 <5.B.-<H-=//BC.B=G/=; C HC /<0<>.<5G-=J.HB 4A=K.-BC.5<40HE-K 4A/ ACB @EG;<-0 .;4HC./>. =;BC / /<./.H=40<40/5< .->.<5G<-< .B=B<40; C HC>.<-/<-<5.0>=<-0=4; C HC /4/H->.0 4<G<4./HC<-<HB.-/BC.4<5.=BC.B.5G . C.;C=./B-EHBE-./ G<4B.0<>- ACB-.0"B<40 /<B=A.BC.-<>=EB B..4=-.ACB..4 ..B C AC .H<4=;0 /B 4HB @/..BC.5 --=-4BC.H.4B-.=BC.B.5G ./E--=E40.0>@BC=/.; <40/; BC HE- =E/ @HEB B<//. /=; C B.G<G.-; C HC<-.H< .0# <40; C HC<-./..4 4.K.-@ C 4B=B.5G . C.=- A 4<0.<=BC.5 5 ACBC<K.>..4BC<B=<0E/B.-</B BC./BC.HE/B=5=BC.G- ./B/B=5<L.B;=-BC-..G<//./;BCBC.5 4BC.<-.>. =-.G-<@ 4A<GG<-.4B @ =-BC.GE-I G=/.=H .<- 4ABC.<B5=/GC.-. -=5<4@ 5GE- B ./>. =-.4K=L 4ABC.A=0 .-.B==<-.BC. ; =-/C GG.-/ /=5.L4.. 4A /=5./B<40 4A<BBC. ==B=BC./B.G/ .B E/; <BHC BC /4.; &H=5.-=-<5=5.4B .; < L/B=BC. ==B=BC./B.G/BC-=; /<H= 4=4B=BC.5<40/B<40/ =-/=5./.H=40/A<? 4A 4B=BC.B.5G .BC.4-< /./C /C<40/<40H <G/BC.5/C<-G @BC-..B 5./ .BC.4G <H./BC.5B=A.BC.-<40>.40/C /C.<0 5 EBB.- 4A</C=-BG-<@.- B.-<4=BC.-G-= =4A.0A<?.<B BC./<H-.0 5 --=-<40 B/ /E--=E40 4A/

M G 0*3 +*-&(* +- 2"& %/2 /*'(-(+ G < H -:(0 %;0-' '-1 *2 90 %(*3=:*3 (G 0 '.- /(/;&(0*! -..*- ' +-' / (2 '.:-7*2 /' *- :7 0 /(-:' (= (-1*-=:*('9%220 '3 =%((*3.:*' (" .%=:1 %'* 1-3* / (' / (-(-::%/& *B%*/(/ + + (0 9%220 '3 -11 2 /;' (G H

C.' 5=K./' = ' B=' 5<L.' -==5' =-' =BC.-' .D +E< @' 0.K=E8' ; =-I /C GG.-/'6 ; C=' G-./.4B' BC. -' = .- 4A/'"6 A=' BC-=EAC' BC.' /<5.' H.-.5=4@'6 <40' 4' BC. -' BE-4' 5<L.' ; <@' =-' =BC.-/'6 <40' /=' =4' C.' H <GG 4A' = ' BC.' C<40/' /' =4 @' /<K.0' -=5' <GG.<- 4A' - 0 HE =E/' B=' =-. A4.-/' >@' BC.' BC=-=EAC @' -.K.-.4B' <40' .<-4./B' ==L/' = ' BC.' ; =-/C GG.-/ ' C.' =>J.HB' = ' BC /'6 ; .' <-.' B= 0'6 /' B=' <BB-<HB' BC.' <BB.4B =4' = ' BC.' $ ' =-' A=0'6 B=' BC.' G-<@.-/' ; C HC' <-.' B=' = = ; ' /' ; .' BE-4' B=' .<K.' ; .' B<L.' <' 4< ' A <4H.' <B' BC.' B.5G ."6 <40' 4=B H.' =-' BC.' -/B' B 5.' BC<B' BC.' - HC @' H= =E-.0' HC HL.4/' <5=4A/B' BC.' H<-K 4A' E40.-' BC.' -== ' <-.' 5=K 4A' BC. -' C.<0/' <40' ; 4A/' 4' <' 0.H 0.0 @' 4<BE-< ' 5<44.-' .' <-.' B= 0' B=' =E-' </B=4 /C5.4B' BC<B' BC./.' > -0/' <-.' /<H-.0'6 <40' /=' <-.' < = ; .0' B=' B<L.' BC. -' -==/B' =4' BC.' K.-@' B.5G .' B/. (>EB' ; .' C<K.' 4=' 0=E>B' BC<B' ; .-.' ; .' B=' /H<BB.-' <' BB .' ==0' =4' BC.' A-=E40'6 BC. -' /B- HB @' -. I A =E/' G-=H K B ./' ; =E 0' >.'6 <B' <4@' -<B.' =-' BC.' B 5.'6 =K.-H=5.'6 <40' BC<B' BC.@' ; =E 0' /C= ; ' BC.5/. K./' ; =- 0 @' .4=EAC' B=' A K.' ; <@' B=' B.5GB<B =4'6 <40' .<K.' BC. -' .N< B.0' G.-HC

Q .<-' BC.' ' =-' <-HC ; <@'6 ; .' 5..B' B ; =' 5.4' 4' HE- =E/& ==L 4A' 0-.//./'6 ; C=5' ; .' 0 /H=K.-' B=' >.' G- ./B/' = ' BC.' B.5G . ' 4.' /' 0-.//.0' 4' = ; 4A' ; C B.' -=>./'6 ; BC' ><AA@' / ..K./'6 BC.' =-0 4<-@' /=HL/' <40' H =A/'6 <40' ; .<-/' <' /B ' C.<00-.//' = ' 4.4' =-' / L'6 /=5. ; C<B' -./.5> 4A' <' G.<L.0' 4 ACBH<G' 0=E> .0' ><HL ; <-0/' ; BC' BC.' G.<L' C<4A 4A' 0= ; 4 ' C.' =BC.-' ; .<-/' - HC.-& ==L 4A' -=>./'6 5<0.' <GG<-.4B @' = ' >-=H<0.0' / L'6 >EB' = ' BC.' /<5./C<G.' </' BC.' -/B(C /' C.<00-.//' /' ME B.' 0 I .-.4B'6 C= ; .K.-'6 H=4/ /B 4A' = ' <' <HME.-.0' > <HL' C<B'6 BC.' /C<G.' = ' ; C HC' /' -=EAC @' -.HB<4AE < -' CEB' C</' <' 0..G' 0.4B' 4' BC.' -=4B'6 <40' /' H- 4L .0' < ' =K.-' B' /' <>=EB' =E-' 4HC./' C AC'6 <40' G-=J.HB/' >.@=40' BC.' C.<0' <B' BC.' ><HL' ; BC' <' / ACB' HE-K.' EG ; <-0/ ' C.@' 5<L.' <' G= B.' >= ; ' </' ; .' G<//'6 <40' ; /C' E/' A==0&0<@ ' .' <-.' B= 0' BC<B' BC.' 3/B' /' <4' =-0 4<-@' C 4B=' G- ./B'6 ; C .' BC.' /.H=40' /' BC.' HC . ' G- ./B9' = ' BC.' B.5G .

Q' E/B' < B.-' .<K 4A' BC.' B.5G .' ; .' 5..B' <4' =>J.HB' ; C HC' ==L/' L.' <' K.-@' <-A.' H<> 4.B' = ' /=5.' /=-B' ; BC' .A/' <40' ..B' B<L 4A' <' ME .B' /B-= ' BC-=EAC' BC.' B= ; 4 ' 4' 4.<-.-

<GG-=<HC BC / -./= K./ B/. 4B= B ; = B< 4<--= ; >=N./
BC-=EAC ; C HC <>=EB BC-. . =E-BC/ = BC. ; <@ EG G<//./
< /B=EB ><- = ; ==0 ; C HC -./B/ =4 BC. /C=E 0.- = BC.
5<4 B= ; C=5 BC. .A/ >. =4A B -/B BC / <GG.<-/ <4
.4=-5=E/ =<0 =- =4. 5<4 B= H<--@ >EB =4 H =/.- .N<5 4<I
B =4 ; . 40 BC<B B / 5 .-. @ < -<5 . ; =-L = ACB ; ==0
><-. @ /B-=4A .4=EAC B= /EGG=-B B/ H=4B.4B/ ; . ; <BHC
BC / 5<4 =- < . ; 5=5 .4B/ C. ; G-=><> @ K.-@ /==4 40
< /E B<> . G <H. =- 0.G=/ B 4A C / /C=G =- /EHC B /(; C.4
; . /C< /. . BC. B ; = >=N./ ME HL @ =G.4.0 <40 H=4K.-B.0
4B= /B<40/ =4 ; C HC B= G <H. C / ; <-./
Q EB ; . 5E/B H=4B 4E. =E- ; < L =- BC.-. / 5EHC B=
/. . <40 ; =40.- <B K.-@ . ; CE40-.0 @<-0/ ; . G</// =4.
= BC. >./B -./E B/ = BC. 4B-=0EHB =4 = E-=G.<4 HE/B=5/
4 BC. =-5 = < 4.<B @ 0-.//.0 <40 >E/ 4.//& L. G= H.5<4
/ E4 =-5 H=4/ /B/ = < 0<-L&> E. H=<B -.<HC 4A >. = ;
BC. L4../ ; BC H= <- <40 HE / = >- ACB @. = ; H =BC =
; .<-/ < ; C B. >. B <40 < G.<L.0 H<G ; BC < @. = ; ><40
<40 < / K.- ><0A. 4 -=4B ' 40.- C / <-5 C. H<-- ./ <4
=5 4=E/ @ BC HL /B HL /=5. =E- ..B =4A ; C HC A K./
B= BC. 5 0./B <40 5=/B C<-5 .//& ==L 4A G= H.5<4 BC<B
<GG.<-<4H. = <B.4B G= ; .- ; C HC / /= 4.H.//<-@ B= BC. -
G-= .// =4"
Q =/B = BC. G.=G . ; . G<// 4= ; <-. = BC. = ; .- H </../
</ ; . <-. <GG-=<HC 4A BC. G==-.- ME<-B.- = BC. B= ; 4 C.
5.4 <-. 5=/B @ 0-.//.0 4 < /C=-B /=-B = H =<L = 0<-L > E.
5<B.- < ; BC C<4A 4A/ ..K./ ; C HC / =G.4 0= ; 4 BC. -=4B
C. = ; .- G<-B = BC / / =-4<5 .4B.0 ; BC < ; C B. G<BB.-4
= B.4 -./.5> 4A BC.) -..L L.@ 4 BC. ><HL / < <-A.
<G<4./ HC<-<HB.- /E--=E40.0 >@ < ; C B. - 4A C / /
A.4.-< @ BC. .5> .5 =- / A4 <0=GB.0 >@ BC. - .5G =@.-
' 40.- C / H =<L <4 44.- A<-5 .4B = 0<-L.- 5<B.- < /
; =-4 BC. BC HL4.// = BC / K<-@ 4A <HH=-0 4A B= BC. B 5. =
@.<- C.@ ; .<- B ACB& BB 4A B-=E/.-/ = 0<-L > E. C.@
A= A.4.-< @ ; BC BC. C.<0 ><-. >EB /=5.B 5./ ; .<- < ACB&
> E. AE-.0 C<40L.-HC . B .0 E40.- BC. HC 4 C . ; < L 4A
< =4A >.B ; ..4 BC. = ; ; ==0.4 C=E/./ ; BC BC. - C.<K @ B .0
-== / ; . C<K. <>E40<4B =GG=-BE4 B ./ = /.. 4A .K.-@ GC</.

 &' 2 3 * '(1' : &* ' * *' 6+*' '**' -' . - (7' &' : ((:*' 10 :2 * /' + (0' (0* ' = ; 0(' 2 * ' '*'' &' 3 (-(/' 1 - . *' " # 3'' - /2' (0* ' : ((:*' 0*-2'' 1:*- /' '0-) *2' + (0' (0*' *>1* . (/' &' & %' : ((:*' (%&(' ' /*' /' & /(' ' /*' =*0 /2' - /2' /*' -(' *-10' ' 2* ' 3*' - *' &:7 / ;' 8 (* '' 3 -2*' /' (0*' '0- . *' &' 2 3 /%( ) *' 3 * /' + (0' %(' . *-2' - 3 ' ' +0 :*' (0*' ' 3 -::* ' /*'' - *' 1 /& / / ;' (0* ' -((* / (/' (' (0*' . * : %'' 11%. -(/' &' 1: 3 = / ;' 2 + /' & 3' (0*' - '*2' &: ' &' (0*' 0 %'*'' (' (0*' -2' - /2' (0* *' 3 -8 / ;' (0* ' & '(' -((* 3 . ('' -(' + -:8 / ;' /' 1: ; 'N - /2' - '' (0*7' -:+ -7'' '*1% *' (0*' = ; ; *' (' /*'' -(' 0- /2' (0* ' */2*-) %>F' - *' &(* /' *>(* 3 *:7' - 3 %' / ; ' 0*' 3 3 */(' -' ($ $ ' '' '**/' - . . -10 / ; ' (0*' 10 :2 L*/' 3 3 *2 -(*:7' '0 +' -' '(/ ;' 2*' *' (' =*' /' (0*' . . ' (*' ' 2*' &'Y(0*' -2' (0*' *'%:(' &' (0 '' ; */ * L-::7' =* / ;' -' '* *'' &' / - +' *'1- . *' ' +0 10' + %:2' /' 3 - /7' 1-'*'' =*' =-2' -11 2*/('' +* *' (' / (' (0 -(' (0*' (4 ' $ ' '' ' ' B% 18:7' '+*)*2' -' 2*' ' '(. . *2

 Q' 4' G</// 4A' <' / 0. ' /B- . . B' ; .' <-. ' /B-EHL' >@' BC . ' 0= . E ' 4=B . /' = ' /=5 . ' 4 /B-E 5 . 4B'' ; C HC' /' . K 0. 4B @' <GG-=<HC 4A' E/' >@' BC . ' 4H-. </ 4A' H . <-4 . //' = ' BC . ' /=E40 ' .' ; ' /B<@' <' 5=5 . 4B' <40' 40' =EB' ; C . 4H . ' B' H=5 . /' 4' <' . ;' 5=5 . 4B/' <' AE-. ' <GG . <-/'' ; C HC' C< B/' . K . @' 4= ; ' <40' BC . 4'' <40' . <HC' B 5 . ' BC . ' /=E40' ; .' -/B' C . <-0' /' -. G . <B . 0'' <40' /' = = ; . 0' >@' <' = ; ' 0-=4 4A' H 3@' /' B' A . B/' 4 . <-. -' ; .' 40' B' /' <' > 40' 5<4'' ; C=' . . /' C /' ; <@' ; BC' <' /B HL' <40' H<-- . /' <' -. . 0&G . ' 4' 4ME -@' ; .' . <-4' BC<B' BC /' 5 <43/' G-= . // =4' /' BC<B' = ' <' /C<5G=>. -' C . ' /@/B . 5' = ' /C<5G== 4A' C</' > . H=5 . ' ME B . ' <4' 4/B BEB =4' 4' <G<4 ' 4@' =4 . ' /E . - 4A' -=5' -C . E5 <B / 5' =-' <4@' G< 4' ; C HC' -E>> 4A' ; =E 0' -. . K . ' H< /' 4' =4 . ' = ' BC . / . ' 5 . 4'' ; C=' <-. ' H=4B 4E< @' G</// 4A'' <40' E40 . -A=. /' <' H=E-/ . ' = ' L4 . <0 4A' <40' C<5 5 . - 4A' <40' G 4HC 4A' 4' BC . ' G<-B' < . HB . 0'' =-' < ' =K . -' BC . ' >=0@' ' C . ' ; /C . /' B ' C . ' . ; ' 4=B . /' =4' BC . ' G G . ' <40' BC . ' = ; ' H-@' = ' Q' <5 5 <' R' DA-. <B' /B- . //' >. 4A' < 0' =4' BC . ' 53/'' ; C HC' H<E/ . /' BC . ' G . HE <-' 0-=4 4A' /=E40F H=5 > 4 . ' B= =-5' =4 . ' = ' BC . ' 5 =/B' G < 4B K . ' /B- . . B' H- . /' 5<A 4<> . ' E-' HE- =/ B@' >. 4A' /<B / . 0' ; .' G</' =4'' <40' 4' <' . ; ' 5 4EB . /' 40' =E-/ . K . /' <GG-=<HC 4A' BC . ' =G . 4' H=E4B-@ ' . -. ' =4' BC . ' -=<0/ 0 . ' /' <' /ME<-. ' /B=4 . ' H= E54' <>=EB' / N' . . B' C AC'' =4' ; C HC' /' H<-K . 0' 4' <G<4 . /. ' HC<-<HB . -/' BC . ' 4<5 . ' = ' BC .

B= ; 4 ; . <-. .<K 4A <40 G-=><> @ < /= BC<B = BC. # .4 =-
G-. .HBE-.

Q . ; 4= ; B<L. < A <4H. <B /H.4.-@ = < B@G. ; C HC
/ H=5 5=4 B= 5=/B G<-B/ = <G<4 C. -=<0 -E4/ =4 <4
.5><4L5 .4B /=5. K. =- / N ..B C AC >.B ; ..4 - H.& D=-
G<00@&F . 0/ ; C HC <-. < 5=/B 4K<- <> @ E40.-B ; = =-BC-..
4HC./ = ; <B.- <40 ; C HC H=K.- < BC. .K. A-=E40 .I
@=40 BC./. - /. C > = 5<-L.0 =EB 4. >EB = 4= A-.<B
C. ACB EG ; C HC BC. - H.& . 0/ H 5> B.--<H. <>=K. B.--<H.
E4B BC.-. / 4=B < /ME<-. ==B = <K< <> . A-=E40 E4I
=HHEG .0 B 4B.-K< / ; . G<// H E/B.-/ = ; ==0.4 CEB/
<GG<-.4B @ 0./.-B.0! >EB ; . ==L H<-. E @ =K.- BC. /E-I
-=E40 4A . 0/ ; . /C< G-=><> @ /.. BC. = ; 4.-/ ; BC BC. -
; K./ <40 HC 0-.4 ; BC ; HL.- ></L.B/ 4 BC. - <-5/ EG B=
BC. - L4../ 4 5EO <40 ; <B.- C.@ <-. .K 0.4B @ ; =-L 4A
C<-0 >EB ; C<B BC. .N<HB 4<BE-. = BC. - ; =-L / B /0 HE B
B=/.. " =HH</ =4< @ G<// E/ =4 BC. -=<0 BC. -
=HHEG<4B/ >. 4A = B.4 </ ..G <40 -. 5< 4 4A /= ; BC <
0.B.-5 4<B =4 ; C HC / B-E @ -. 5<-L<> . H=4/ 0.- 4A BC.
<E B@ 4<BE-. = BC. -=<0 HH</ =4< @ BC. 5=4=B=4@ = BC.
. 0/ / >-=L.4 >@ < ><5>==& =-./B =K.- ; C HC BC. < 4B./B
>-.<BC = ; 40 /.40/ <B ; <K@ /C..4 </ B -.K.< / BC. / K.-@
E40.-&/ 0. = BC. .<K./ = ; <40 BC.4 BC. -=<0 / >=-0.-.0
=4 . BC.-/ 0. >@ BC=/. = B@ G 4./ = 0 /B=-B.0 /C<G. ; C HC
<-. /= = B.4 -.G-./.4B.0 4 <G<4./. <-B C.@ B ; /B <40
BE-4 <40 /B-.BHC =EB BC. - H-0 L.0 <-5/ 4 .K.-@ 0 -.HB =4
<B B 5./ J= 4 4A C<40/ ; BC BC. - H=5-<0./ =4 BC. =GG=/ B.
/ 0. = BC. -=<0 </ B<L 4A G<-B 4 /=5. ; . -0 <4B</B H
0<4H. ; C HC / =4 @ 4B.--EGB.0 =- BC. 5=5.4B B= < = ;
E/ B= G<//

%) -<0E< @ BC. ; ==0.4 CEB/ >.H=5. 5=-. -.ME.4B <40
<B </B >.H=5. < 5=/B H=4B 4E=E/ 0.K. =G 4A 4< @ 4B= <
=4A /B-<AA 4A B= ; 4 = =4./B-..B / ; . A.B <-BC.- 4B=
B BC. CEB/ 5G-=K. A-<0E< @ 4 / ?. <40 /B@ . E4B BC.
5 00 . G=-B =4 = BC. B= ; 4 H=4/ /B/ = < /.- ./ = ; . &B=&0=I
==L 4A /C=G/ .-. ; . /.. BC. =4. E-=G.<4 C=E/.
; C HC ; . 4= ; -.H=A4 /. 5 5.0 <B. @ </ BC. G= H.&/B<B =4
GG=/ B. BC / / BC. G- 4H G< =- B.<&C=E/. ; C HC

H=--./G=40/ B= <4 44 4 E-=G. C. -< /.0 = ; .- ==- /..5/ =4.K</B .NG<4/.= 5<BB 4A /B-.BHC 4A <- C<HL -=5 BC./B-..B . /B=G C.-. =-/=5.B.< ; C . (\$ <-. HC<4A.0 <40 <- . <@ = 5.4 / =>B< 4.0 . <-. ; . H=5.0 >@ BC.A - &<BB.40<4B/ = BC. G <H. ; C= >= ; = ; <40 H=40EHB E/ B= <><HL -==5 ; C.-. ; .4/H=4H.=E-/. K./ =4 BC. ==- -=E40 BC. \$5 \$ =-</C -./ C. A - / BC.4 >- 4A E/ B.< 4 BC. 0 5 4EB K. HEG/ G.HE <- B= BC. H=E4B-@ <40 / B 0= ; C B= ; <BHC =- <4 =GG=-BE4 B@ B= -.G .4 /C BC.5 .40.<K=E- 4A 5.<4 ; C . B= B.5GB E/ B= B</B. /=5. = BC. HE- =E/ <40 <B -/B E4 4K B 4A H<L./ ; C HC E/E< @ <HH=5G<4@ BC. <G<4./. B.< <40 BC. 5=/B H=5 5=4 =-5 = ; C HC -./.5> ./ /ME<-.> =HL/ = W E-L /C 0. ACB 3 .<4 ; C . BC.(\$ 5.4 <-. 5<L 4A BC. 5=/B = BC. - B 5.=EB/ 0. <HC 5<4 C</ C />= ; = - H. 4 C<40 <40 /B-<4/ .-- 4A B/ H=4B.4B/ </ </B </ G=// > . B= C /5=EBC >@ 5.<4/ = HC=G/B HL/ C. >= ; / C. 0 H =/. EG B= BC. 5=EBC /=BC<B BC. G-=H.// / / 5G .<40 BC. B-<4/ .- -<G 0 C /- H. ; BC BC.<00 B =4 = < HEG =- B ; = = DBC./G - BE=E/ 0- 4L = BC. H=E4B-@F ; B C 5 =- /.K.-< C=E-/ = /B.<0@ E44 4A =K.- <4@ H=E4B-@ @=E G .</. . <-. /==4 4 (\$ <40 = <A< 4 C. 4C<> B<4B/ H=5. =EB B= BC. - 0==-/ <40 = B.4 =-5 EG 4 BC./B-..B/ B= /.. BC. (D =-. A4.-/F A= G</B <HC B- ./ B= A.B < A==0 K . ; </ ; . 0-K. BC-=EAC <40 ; . ..@=EBC E 5.//.4A.-/ /.4B = 4 < 0 -.HB =4/ B= >- 4A <>/.4B -. <B =4/ 4 =-0.- BC<B 4= =4. 5<@ 5 // BC. .NB-<& =-0 <-@ / ACB = < G< .& <H.0 5<4 - 0 4A 4 < (\$ 6 =- .K.4 4= ; BC./ ACB <GG.<-/ B= >. < 4=K. =4. 4 5=/B G<-B/ = <G<4

Q .<K 4A BC. B= ; 4 ; . G<// =4 BC-=EAC /H.4.-@ ; C HC K<- ./ 4 G HBE-./ME.4.// 4 G-=G=-B =4 B= BC. 4.<-4.// =- 0 /B<4H. = BC. C H=E4B-@ B B 5./ BC. -=<0 H-=//./ / ; B @& = ; 4A /B-.<5/ 4 BC.5 ; . 5<@ /=5.B 5./ 4=B H. < /@/B.5 = >-.<L ; <B.-/ =- A-= 4/ 5EHC E/.0 4 <G<4 4 G <H./ ; C.-. BC. ><4L / /= B <40 / .NG=/.0 B= BC. / ; - <40 -E/C = BC. - K.- @=E 5<@ /.. < /.- ./ = BC./ =-5.0 = <-A. /B=4./ =- 4B/ 4H =/.0 4 ; HL.- ></L.B/ ; C HC

<-.>@4=5.<4/E4/ ACB @<40 @.B 5=/B . .HBE< 4BC. -=G.-<B =4 C 4B=B.5G ./<-.G<//.0.K.-@4=;<40BC.4>E</;.C<K.K/B.0=4.<-.<0@;.; H=4 4.=E-/.K./B=B<L 4A<G..G<B<B@G H< E00C /B.5G . 4BC.G<H.=BC.BC.=BC.C 4B=B.5G .;=C.-.G<//BC-=EAC<L 40=5=4/B.-@HC&A<B.;BC<CEA.=K.-C<4A 4A-==>E B=/5< G .H./=><-L5 5.0 <B.@>.=;;C HCBC.;==0/G-= E/.@H<-K.0<B.-BC.</C =4=C 4./.>E 0 4A/C.H.4B-<G<-B=BC /E >E 0 4A/B<L.4EG>@BC.A<B.;<@B/. >EB=4 .BC.-/0.=BC /B<40BC.H= =//<0.5=4/;C HC AE<-0/=5<4@B.5G ./4 <G<4=/<@BC<BBC.@<-.<>/= EB.@C 0.=E/;=E 0>.0.H 0.0<BB.-@4./-.0BC.=BC.-A-..4(BC.@>=BC<-.4/B- L 4A .-=H =E/<BB BE0./<40BC.-<H./<-.0 /B=-B.0;BC 0.5=4 <H E-@C.@<-.55.4/.@5E/HE <-<40<B=A.BC.-/..5C<-0@<4 4K B 4A G<-B=GEB<BBC..4B-<4H.B=<G <H.=;=-/C G B /-.<//E- 4A B=4=B H.C=;.K.-BC<B<BC HL;-.4.BB 4A /N.0>.B;..4E/<40BC./.E4G .</<4B HC<5G =4/=-. A =4C /4.BB 4A /;.40 5=-.=-BC.-G-=B.HB =4BC<4=E-/<B /B=G-.K.4B BC.B=.</@.N.-H /.=<=-5=-.A =4.4B -.@4.;B=E/;C HC H=4/ /B/=.J.HB 4A -=5BC.5=EBC/5<G. .B/=;. &0<5G.0G<G.-<B BC.>=0./=BC./.A< @G< 4B.0 .40/BC.G. .B/B HL/=4BC. AE-.BC.5<-L/I 5<4/4<K=E-;BC BC.A=0/<40/L.@B=<-.;. 4BC. EBE-.(>EB B -. E/./B=/B HL B /<//A4BC<B. BC.-C /G- 4H G ./=-C /G-<HB H./<-.<B <E B<40 4..0 H<-. E H=4/ 0.-<B =4

Q $<// 4A BC-=EAC >@BC.G<K.0;<@;.40=E-/.K./>.=-.<>E 0 4A -./.5> 4A 4B/A.4.-<.<BE-./BC.B.5G .=BC.=BC.-A =4>EB;.C<K.=4@B=A <4H.4B=BC.4B.-=-B=0 /H=K.-BC<BBC.-.&/<5<-L.0 0 .-.4H.4 BC.G <H.=BC./5G .5 --=-<40G<G.-# =BC.C 4B=B.5G .;.C.-.40<A BB.-4A 5<A.=E00C<.4H</.0 &4X</C-4.4=.//>- <4BBC<4BC.A=0C 5/.(=4 - ACB<40 .B /C 4.<BB.40<4B 0.B ./;C= 4BC. -A 0.0>- ACB4.//</B<40=EB -=5BC./=5>-./C<0=;H</B>@BC.B.5G .-== .-.B==;.40BC.=BE/4 G-= E&

;

$' 0 , -' - - . / 0' . ' ,

/ =4'' <' >.<EB E ' . 5> . 5' = ' B>.' E00C /B' < BC ' <HME.-.0' -< /' 4H =/.' <' <-A.' /G<H.' <-=E40' B>.' /C- 4.'' ; C HC' /' E4<GG-=<HC<> .' B=' <4@' >EB' BC.' G- ./B/'' ; C=' / B'' =-' -<BC.-' L4.. '' =4' - ACB' <40' . B'' ; BC' BC. -' ME< 4B' -=>./' <40' /C<K.4' C.<0/ ' =-/C GG.-/' H=5.' <40' A=' C.@' L4.. ' >. =-.' BC.' -< /'' G-<@'' <40' -.B -.'' >EB' BC.' G- ./B/' B<L.' 4=' 4=B H.' ; C<B.K.-'' </' BC.@' <-.' / 5G @' 4' <BB.40<4H.' =4' BC.' /C- 4.' .-.'' < /='' /5< ' H= 4' <-.' BC-= ; 4' </' = .- 4A/' B=' BC.' A=0'' JE/B' </' BC.@' ; .-.' 4' BC.' C 4B=' B.5G . ' .@=40' BC.' /C- 4.' =4' >=BC' / 0./' BC.-.' C<4A' G=-B-< B/' = ' BC.' =E40.-' = ' BC.' B.5G .'' <40' =BC.-' .HH ./ </B H/' ; C=' C<K.' C<0'/=5.' H=44.HB =4' ; BC' B' <B' /=5.' B 5.' =-' <4=BC.-'' <40' -=E40 ' >.C 40' BC.' /C- 4.' ; .' /C< ' G-=><> @' 40' 5<4@' = 0' -. H/' </!=H <B.0' 4' /=5.' ; <@' ; BC' BC.' G</B' C /B=-@' = ' BC.' G <H.& .5G ./'' = ' H=E-/.'' K<-@' L.' .K.-@BC 4A' . /.'' >EB' BC.' 0 .-.4H./' <-.' =4 @' 5 4=-' =4./'' /=' BC<B' .K.-@ E00C /B' B.5G .' 4' BC.' H=E4B-@' G-./.-K./' BC<B' . .5 .4B' = ' A<E0 4.//' <40' 0.H=-<B =4' ; C HC' H=4B-</B/' /=' /B-=4A @' ; BC' BC.' G < 4' <40' E4G-.B.4I B =E/' /B@ .' = 'BC.' C 4B=' B.5G ./

Q 4' G</! 4A' =4' BC-=EAC' BC.' H=E4B-@' =4.' /' /B-EHL' >@' BC.' /H<-H B@' = ' > -0/' <40' <4 5< / ' < ; L/' <40' .<A ./' <-.'' G.-C<G/'' BC.' 5=/B' -.ME.4B @' /..4'' <40' H-= ; /' < /=' <-.' < - @' 4E5.-=E/' (>EB' ; BC' BC.' .NH.GB =4' = 'BC./.'' BC.' W = ; /' = 'BC.' < -' 3 <-.' >EB' G==- @''-.G-./.4B.0 ' -<4./' <-.' B=' >.' /..4'' >EB' BC.@' <-.' 4=B' 4.<- @' /=' H=55=4' </' =4.' K=E 0' .NG.HB'' H=4I / 0.- 4A' BC.' G<-B' BC.@' G <@' 4' <G<4./.' <-B' = ' < ' L 40/ '

0' 0EHL/' <40' ; 0' A../.' <-.' 5EHC' 5=-.' <>E40<4B'' ./G.H < @' 4' BC.' H</B .' =<B/'' ; C.-.' BC.' /C==B 4A' = ' BC.5' /' G-=C > B.0 ' ! =5./B H' <4 5< /' <-.' /H<-H.'' <40' <-.' >EB' G==-' /G.H 5.4/' ; C.4' G4.' 0=./' /..' BC.5 ' C.' 0=A/' <-.' . BC.-' = ' <' B@G.' H =/. @' -./.5> 4A' BC.' =4/B<4B 4=G .' Q' G<- <C"R' >-.BC-.4' >=BC' 4' <GG.<-<4H.' <40' C<> B/'' =-' . /.' BC.@' <-.' BC=/.' >< /' = ' E @ C< -' ; BC' BB .' GEA&4=/./' ; C HC' <-.' L4= ; 4' 4' 4A <40' </' <G<4./.' 0=A/ ' C.' H<B/' <-.' /C=-4' = ' BC. -' B< /'' <40' B' /' G-=><> @' = ; 4A' B=' BC /' BC<B' BC. -' ></C E 4.//' L..G/' BC.5' < 5=/B' < ; <@/' =EB' = ' / ACB ' C.' <G<4./.' C=-/.' /' /5< ' <40' /C<AA@ ' /' 5<4.' /B<40/' =4' .40'' <40' C /' B< ' /' -=EAC' <40' =4A ' /' .A/' <40' >=0@

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are well built for the uses he is usually put to, but as a riding horse his general appearance could hardly be termed elegant. In some parts of Japan, on the Tokaido, for instance, one may already pass occasionally a thoroughly European excursion van drawn by one or two horses, and filled with country people, who look perfectly at home in what they, a few years ago, regarded as a barbarous monstrosity."

RINTO, OR DRAGON LANTERN, KOFUKUJI.

G.-/=4<' <HME< 4B<4H.' =' B .' .<0 4A' G.-/=4<A./' =' B H' H=E4B-@'6 E40.-' BC.' 5=-.' ./B K.' H -HE5/B<4H./' =' <' 0 44.-' G<-B@'6 C. 0' <B' BC.' C=E/.' =' 05 -<' #<;<5E-<' 4' BC /' =HH</ =4' BC.-.' &;.-.' G-./.4B'6 >./0./' =E-' C=/B' <40' C=/B.//'6 BC. -' 5G.-<' C AC4.//./'BC.' $- 4H.'<40' $- 4H.//' -/ A<;<'6 ';C=' =HHEG@' BC.' /B<B =4/' 4.<-./B' B=' BC.' BC-=4.' =' BC.' /.-K H./' =' BC.' G- 4H.' 4' BC.' /EGG-.// =4' =' BC.' <B/E5<' -.>. =4'6 <40' BC.' 0 /B 4HB =4/' H=4 .--.0' EG=4' C 5' >@' BC.' .5G.-=-' <B' B/' H=4H E/ =4'6 ' C<K.' <-.<0@'-. .--.0' C.-.' ;.-.' <'=' G-./.4B' BC.' 5G.-<'$- 4H.' <40' $- 4H.//' A</C' E/C 5 '6 ;C=' H=5.' 4.NB' 4' 4.<-4.//' B=' BC.' .5G.-=-' C.' G<-B@' L.; /.' H=5G- /.0' BC.' G- 5.' 5 4 /B.-'6 <4J=(BC.' K H.' 5 4 /B.-'6 ;<LE-<(-' LE5<'6 BC.' 5 4 /B.-' =' 4<4H.' J -' .-</C 5<'6 BC.' =-. A4' 5 4 /B.-'6 <40' C /' ; .(-' B='6 BC.' C=5.' 5 4 /B.-( ).4.-<' <A='6 5 4 /B.-' <B' ;<-(-' 4=E@.'6 5 4 /B.-' =' GE> H' ;=-L/'6 ; BC' C /' ;.' <40' <0=GB.0' 0<EACB.-(-' L'6 BC.' 5 4 /B.-' =' JE/B H.( ).4.-<' <5<A<B<'6 BC.' H=5 5<40.-& 4&HC .' =' BC.' <-5@(<40' /.K.-<' =BC.-' <0 ./' <40' A.4B .5.4' C.' 0 44.-' ;</' /.-K.0' 4' E-=G.<4' </C =4'6 CEB' ; BC' /.K.-<' G-.BB@' <HH=5G<4 5.4B/' E4L4=;4' <B' C=5.'6 <5=4A' ;C HC' 5<@' C.' 5.4B =4.0' BC.' /.-K 4A' =' <' G .' =EB' =' ;C HC'6 ;C.4' G-./.4B.0' B=' 5.'6 BC.-.' .;' <' 4E5>.-' =' /5< ' > -0/' ; BC' ;-BB.4' /.4B 5.4B/' =' ;. H=5.' <BB<HC.0' B=' BC. -' .A/' ' BC.' A.4B .5.4' =4' BC.' =HH</ =4' ;=-.' E-=G.<4' 0-.//'6 >EB' 5=/B' =' BC.' <0 ./' ;.-.' 4' BC.' G HBE-./ME.' 4<B K.' H=/BE5.'6 *=5.' =' BC. 5' C<K 4A' BC.' B..BC' > <HL.4.0' <40' BC.' .@.>-=;/' /C<K.0' =' '6 ; BC' <-B H <' 40 H<B =4/' =' =BC.-/' 4' H= =E-' C AC.-' EG'6 < B.-' BC.' <4H .4B' /B@ .' =' BC.' H=E4B-@' C.' B;=' G- 4H.//./' ;=-.' 4=B' /=' <0=-4.0'6 =-' 0 /&<0=-4.0'6 </' BC.' .</.' 5<@'>.'6 >EB' ;.-.' 0-.//.0' 4' -=>./' =' /H<- .B' DBC.' 5G.-<' H= =E-F'6 <40' C<0' BC. -' C< -' ;-=EACB'6 ' B=' /G.<L'6 C< =& </C =4'6 </' /C=;4' 4' BC.' G=-B-< B/' =' BC.' .5G-.//' C /' 5=0.' =' 0-.// 4A' BC.' C< -' /' 5<I B.-<@' 0 .-.4B' -=5' BC<B' H=5 5=4' <5=4A' <G<4./.' <0 ./'6 <40' <GG.<-/' B=' >.' /G.H <' B=' 5.5>.-/' =' BC.' L<0=3/' <5 @' ' <5' < -< 0' BC<B' 4. BC.-' 5@' /=4' 4=-' 5@/. ' ;.-.' <B' < ';=-BC@' =' =E-' G- K .A./' =4' BC /' =HH</ =4'6 </' 4. BC.-' =' E/' H=E 0' <00-.//' <' ;=-0' 4' BC. -' =;4' <4AE4A=' B=' . BC.-' =' BC=

$' 0' ' ' . ' ' 1 ' . 0

5G.- <' <40' 4=> .' <0 ./' >.B ; ..4' ; C=5' ; .' -./G.HB K. @' ><0' BC.' C=4=E-' B=' / B' C.' H=E-/.' = ' BC.' 0 44.-'' C= ; .K.-' D/.-K.0' 4' <' 5<44.-' ; C= @' E4L4= ; 4'' <GG<-.4B @'' B=' BC.' <0 ./' = ' BC.' H=E-BF'' E-4 /C.0' =GG=-BE4 B ./'' ; .' 5<@' C=G.'' =-' BC=/.' BB .' <BB.4B =4/' ; C HC' <-.' = B.4' ME B.' </' G .</<4B'' <40' <-' 5=-.' E/. E '' BC<4' <4@' ; =-0/' B' BC.' H=4H E/ =4' = ' ' BC.' 0 44.-'' < B.-' B=</B 4A' BC.' 5G.-=-' <40' =E-' YE..4'' C /' .NH. .4H@' BC.' G- 5.' 5 4 /B.-' G-=G=/.0' BC.' C.< BC' = ' BC.' AE./B'' 0= 4A' 5.' BC.' C=4=E-' B=' 5<L.' BC.' 5=/B' A-<B @ 4A' -. .-.4H./' B=' BC.' /C G/' ; C HC' C<0' >..4' H=4/B-EHB.0' =-' BC.' 5G.- <' A=K.-45.4B' E40.-' 5@' H<-.'' <40' 4B 5<B 4A' BC<B' B' ; </' BC.' ; /C' = ' C /' 5<J./B@' BC.' .5G.-=-'' 4=' .//' BC<4' BC<B' = ' C 5/. ' <40' C /' H= .<AE./' 4' BC.' A=K.-45.4B'' BC<B' 5@' /=4' <40' ' /C=E 0' >.' 5<0.' C.<-B @' ; . H=5.' B=' <G<4'' <40' C<K.' BC.' E ./B' =GG=-BE4 B ./' < =-0.0' E/' = ' /.. 4A'' ; BC=EB' K. ' =-' C 40-<4H.'' <4@BC 4A' <40' .K.-@BC 4A' BC<B' 5 ACB' >.' = ' 4I B.-./B' B=' E/ : <' ; /C' BC<B' ; </' 5=/B' H=E-B.=E/ @' <40' H=5G .B. @' H<-- .0' =EB'' 0=E>B ./' </' < H=5G 5.4B' B=' =E-' H=E4B-@'' <40' B=' BC.' G<- <5.4B' = ' ; C HC' ' ; </' < 5.5>.-'' 5EHC' 5=-.' BC<4' B=' =E-/. K./' < =4. ' B.-' ; C<B' C</' >..4' -.H=E4B.0' 4' =-5.-' HC<GB.-/'' ' 4..0' 4=B' /<@' BC<B' BC.' G- 4H./' <40' 5 4 /B.-/' ; C=' <BB.40.0' BC /' ><4ME.B' ; .-.' 5.4' = ' BC.' 5=/B' -.G-./.4B<B K.' HC<-<HB.-'' <40' ; .-.' 4' <-A.' G<-B' BC.' <EBC=-/' </' ; . ' </' BC.' ; B4.//./' = ' BC.' 55.4/.' HC<4A./' BC<B' C<K.' G<//.0' =K.-' <G<4 ' .' C<K.' /..4' BC.' G<-B/' BC.@' G <@.0'' <40' B' /' E44.H.//<-@' E-BC.-' B=' <0K.-B' B=' BC.5' C.-.

' C.' H B@' = ' =L ='' 4= ; ' BC.' .</B.-4' H<G B< ' = ' BC.' H=E4B-@'' ; </' =E40.0'' </' ; .' C<K.' /..4'' 4.<- @' BC-.' H.4BE- ./' <A=' >@' @.@</E'' BC.' =E40.-' L. ; /.' = ' BC.' ME</ &-=@< ' 0@4</B@' = ' BC.' =LEA< ; <' C=AE4/'' 5=-.' H=55=4 @' L4= ; 4'' G.-C<G/'' </' BC.' @H==4/' D=-' < &#E4/F' = ' <G<4 9' B/&A-.<B' .<BE-.' ; </'' <40' /B ' /'' B/' H</B .'' BC.' ; =-0' >. 4A' C.-.' .5G =@.0' 4' B/' H=5G-.C.E/ K.' /.4/.'' 4H E/ K.' = ' < ' BC.' A-=E40/' <40

M G' - 6< 3'H'+-''-/'%/-%(0 '*2' -/2' (0*' (* 3'+-'' *3.: 7*2' /'(-/'C ((:*' ' 3*(3*'' -''%3*2' =7' (0*' -1(/'' + (0' & * ; /* '' &' :-(*' 7*- '' 0 ;%/''' ' /&7 /;' ; *-(' ' *>-:(*2' /2* ' (0*' & 3' G 71 /H' (' 0-'' %:* ' 0*' 0 ;%/' :72% ('%' &C &(*/' =**/' %'*2' =%(' 0 ;%/' '' (0 ' &1 -::7' &=%(' %/:-+&%::7@' *3.: 7*2' (. .* ' -/2' -%(0 '*2' 2*' ; /-(/

>E 0 4A/ H=5G- /.0 ; BC 4 B/ =EB.- 5=<B/ C. =- A 4 = BC / H</B . ; </ 4=B.0 4 BC. HC<GB.- =4 @.@</E(B A-. ; -=5 B 5. B= B 5. "E4B <B .4ABC B C<0 4= .// BC<4 . ACB& <40& =-B@ A<B./ C. 5=<B ; 40/ 4 <- /=-B = CEA. 0 /B=-B.0 /G -< -=E40 BC. H.4B-. " 4 <GG-=<HC 4A ; C HC -=5 <4@ 0 -.HB =4 BC. ; <B.- ; =E 0 C<K. B= C. H-=//.0 D ; .-. BC<B G-<HI B H<> .F <B .</B B ; H." <40 = B.4" <HH=-0 4A B= BC. 0 -.HB =4 = <GG-=<HC" =E- B 5./ C. =EB.-5=/B 5> = BC. ; <B.- /G -< " /= B= /G.<L" / =-5.0 >@ BC. = ; .- G<-B = BC. <-A./B = BC. - K.-/ C. G- 4H G< G< <H./ C<K. >..4 0./B-=@.0 >@ -./ =HHE-- 4A <B 0 .-.4B B 5./" <40 <B G-./.4B 4=4. >EB A<-0.4 C=E/./ <40 =BC.- 5 4=- >E 0 4A/ .N /B 4 BC. 4B.- =-" =- ; C<B 5<@ >. H< .0 BC. 5G.- < J <-B/ = BC. H</B . 4H =/E-.

4=BC.- .<BE-. = BC. 5=0.-4 H<G B< " =L =" /BC. A-.<B B.5G . 0 /B- HB = C ><" 4.<- B= ; C HC 05 -< # < ; <5E-<" ; BC ; C=5 ; . /B<@.0" -./ 0./" <40 BC-=EAC ; C HC ; . = B.4 C<0 =HH</ =4 B= 0- K. B /' <' >.<EB E /G=B" 4 <-A. G<-B <0=-4.0 ; BC 4. = 0 B-../" <40 C.-. <40 BC.-. - / 4A 4B= ; ==0.0 / =G./' <40 C / BC 4 B/ G HBE-./ME. 4H =/E-./ <-. BC. /G .40 0 B=5>&B.5G ./ = BC. =LEA< ; </ : BC=/. = BC. 5 ; C HC -. 5< 4" -. C<K 4A 0.K=E-.0 BC. 4./B = BC. 5 C./. A-=K./ = C >< ; .-. =4H. /.H E0.0 <40 /<H-.0(BC.@ <-. 4=; <-A. @ =G.4.0 EG B= GE> H B-< H <40 EB B@ =5. -.A-.B BC. HC<4A." =BC.-/ A =-@ 4 B C. /C- 4./ BC<B -.5< 4 <-./B- L 4A .N<5G ./ = 9.HH ./ </B H< <-B <40 0.H=-<B =4 </ <GG .0 4 E00C /B B.5G ./ E40.- BC. G<B-=4<A. = BC. - HC <40 G= ; .- E 4=BC.- >.<EB E /G=B = L. </ /=H <B =4/" >EB 5<0. <- .// >.<EB E BC<4 < =-.B 5. >@ >=BC ><BB . <40 -." / ==@.4=" =- ' @.4=" =4 BC. =GG=/ B. / 0. = BC. H B@ C<K. . /. ; C.-. 5.4B =4.0 BC. /B-EAA . BC<B =HHE--.0 BC.-. < B.- BC. -.H.4B 5G.- < -./B=-<B =4(/E H. B C.-. B= /<@ BC<B B/ . .K<B.0 A-=E40/ E-4 /C < >.<EB E G-=/G.HB =K.- BC. ; 0./G-.<0 H B@(BC<B BC. = 0 <40 BC. 4. ; BC.-. N /B / 0. >@ / 0. 4 /B-<4A. H=4B-</B" <4 = 0 H= =//< 5<A. = E00C<" ; BC B/ <4B.-4/ <40 =BC.- /<H-.0 <HH.//=- ./" ==L 4A 0= ; 4 EG=4 BC. .4B-<4H. B= < 5=0.-4 -./B<E-<4B" ; C.-. B-<K. .-/" <G<4./. <40 =-. A4.-/

/ ( ) . ' X' ' . ' ' ' ' . 0 2P

-. -./C' BC.5/. K. /' 4' E-=G.<4' </C =4' 4' <' ;<@' D</' ;.' 5=-.' BC<4' =4H.' C<0' =GG=-BE4 B ./' =' .NG.- .4H 4AF' 4=B' E4 ; =-BC@'" /<@'" =' BC.' < .' </H<0.' 4' BC.' = /' 4' BC.' /JJ- 4AB 5."' ;C.4' BC.' HC.--@' <40' BC.' G E5' >-.<L' 4B=' > =//=5'" BC.' C. ACB/' <40' A-=K./' <40' B.5G .' G<BC/' = ' ==&' @.4='" G.=G .0' ; BC' BC.' G HBE-./ME.' <40' C<GG@' <G<4./.'" =-5' ME B.' <' G<-<0 /.' C.-.' <-.' =LEA< ; <' B.5G ./' C.-.' B=="' >- ACB' >EB' 4= ;' 4.A .HB.0' 5.5=- < /' = ' <' <5 @' ; C HC' BC.' .N A.4H ./' = ' BC.' G.- =0' C<K.' 5<0.' B' 4.H.//<-@' B=' -.G-.//'" >EB' ; C HC'" </' ' BC 4L'" ; C.4' BC.' /B=-@' = ' <G<4' H=5./' B=' >=' ; - BB.4' <' H.4BE-@' =-' B ; =' C.4H."& ; ' B<L.' <' C AC' G <H.' <5=4A' BC=/.' ; C=' A<K.' G.<H.' B=' BC.' <40'" <40' .4H=E-<A.0' BC.' GE-/E B' = ' BC=/.' <-B/' <40' /BE0 ./' ; C HC' <-.' BC.' < ./' = ' 44=H.4H.' <40' C.< BC E ' G .</E-./ 9

BC=EAC' =L =' /' 4' BC.' 5< 4' /B ' <' <G<4./.' H B@'" .NC > B 4A' .K.-@ ; C.-.' BC.' ."' BC.' HE/B=5/'" <40' BC.' H=/BE5./' = ' BC.' <G<4./.' G.=G ."' B' >.<-/' 5<4@' 5<4 ./B' <40' =>B-E/ K.' .K 0.4H./' = ' E-=G.<4' 4B.-G=/ B =4 ' C.' -< ; <@'" ; BC' B/' E-=G.<4' /B<B =4' <40' .ME G5.4B/'" /' BC.' -/B' A-.<B' H=4B-</B' ; BC' BC.' 4<B K.' <-HC B.HBE-.' <40' <GG <4H./' ; C HC' /B- L./' =4.' =B' <-' -=5' B' /' BC.' =-. A4' /.BB .5.4B'" ; C.-.' 5<4@' = ' BC.' C=E/./' <-.' = ' E-=G.<4' B@G.(<40' 4' ==L 4A' =K.-' BC.' H B@' -=5' <4' .5 4.4H.'" =4.' /../' ><4L' >E 0 4A/'" /HC== /'" <40' =HH</ =4<' -./ 0.4H./' = ' =-. A4' G<BB.-4' - / 4A' EG' <>=K.' BC.' ./' . .K<B.0' <G<4./.' >E 0 4A/ : ./' . .K<B.0' /<K.' </' -.A<-0/' BC.' B.5G ./' < =4.'" ; C HC' C.-.' <40' BC.-.' /B<40' EG' C AC' <>=K.' < ' =BC.-' <G<4./.' H=4/B-EHB =4/' =/B' = ' BC.' A-.<B' .0EH<B =4<' ./B<> /C5.4B/'" /EHC' </' BC.' ' 4 K.-/ B@'" BC.' = .A.' = ' 4A 4..- 4A'" BC.' B<-@' = .A.'" <40' BC.' <K<' = .A.'" <-.' = ' E-=G.<4' /B@ .'(</' <-.' < /=' /=5./' = ' BC.' ><--<HL/'" <40' L. ; /.' /=5.' = ' BC.' 5<4E <HBE- 4A' ./B<> /CI 5.4B/' 4' <HB'" >E 0 4A/' = ' BC /' /B@ ."' ; BC' ; C HC' < =4.

M /' '-7 /;' (0 '' ' -3' / (' %/C ' /' + (0' (0-(' &' (0 ' '0 8-;-' ' 3 /2&%:' &' (: *' 3-/7' *) :'' &' (0*' +0 10' +*/(' =*& *' (-/2' 0 '(7' 8%;-+-' %:*' ' *; *(&%:' =**-%'*' + ::' /' .- (' ' ' 5%2;*' ((' +*:.' (' 0-'' .-''*1.' -+-7' ,%2; /;' (' =7' 3* ('' (0 ' &-) % -0: ' *1 ;/ (/' &' % ' 3F/[*-/' '(-/2- 2'' (' +-'' =-2' 3 .- (-:' .* ' /' */ /&&O% =-(' 5%2; /;' (' =7' 1 3.- C

; .' <-.' <5 <-' <B' C=5.'6 >EB' ; C HC' ; .-.' G.- .HB @' E4L4= ; 4' 4' =L =' <' . ;' @.<-/' <A='6 <-.' 4=;' K.-@' -.ME.4B' <40' H=4/G HE=E/' =>J.HB/' 4' BC.' > -03/&.@.' K . ;' = 'BC.' H B@

C.' >E/ 4.//' /B-..B/' <40' BC.' /C=G/' = ' =L =' <-.'6 ; BC' . ;' =-' 4=' .NH.GB =4/'6 GE-. @' <G<4./.'6 BC.' 4E5>.-' = ' =-. A4' -./ 0.4B/R'>. 4A' /=' . ;' 4' G-=G=-B =4' B=' BC.' 5 =4' = ' B/' 4C<> B<4B/' </' 4' 4=' 0.A-..' B=' 4B.- .-.' ; BC' BC.' 4<B K.' </G.HB' = 'BC.' G <H.' </' =4.' ; < L/' =-' 0- K./' < =4A' B/' BC=-=EACI <-./' C.' 4B.-./B' . B' </' ; .' 5=K.' <>=EB' <5=4A' BC.' G.=G .'6 ==L 4A' 4B=' BC.' /B=-./' <40' G <H./' = ' >E/ 4.//'6 4.K.-' <A/' EHC' /' BC.&4<B K.' B</B.' =-' <-B /B H' =-5/' <40' A-=EG 4A/' = ' =>J.HB/'6 BC<B' .K.4' BC.' H=5 5=4./B' /C=G/' -/B' <--./B' BC.' .@.' ; BC' 5</I./' = ' >- ACB4.//' <40' H= =E-'6 <40' BC.4' <5E/.' BC.' 5 40' ; BC' HE- =E/' <40' <4H E ' 0.B< /' 4' =-0 4<-@' <G<4./.' HC 4<' /C=G' /' </' .4B.-B< 4 4A' <4' Q <--<4A.5 .4B' 4' > E.' <40' ; C B.' R' </' =4.' = ' BC.' H<> 4.B/' = ') =K.-4=-' $=G.' .44.//@' <B' =4A' #=4A'6 =-' = ' -' .4-@' C=5G/=4' 4' 5G= .' B-..B ' 40' BC.' . /E-. @' /C=GL..G.-/'6 5< .' =-' .5< .'6 =-' >=BC'6 4C< 4A' -.ME.4B' ;C /' = ' B=><HH=' ; BC' GC =/=GC H' H< 54.//'6 <40' @.B' < ;<@/' < .-B'6 <40' < ;<@/' H=E-B.= /' B=' BC.' K / B=-'6 <00' B=' BC.' G .</ 4A' <BB-<HB K.4.//' = ' BC.' G <H.'6 H=4B-</B 4A' ; BC' BC.' .<A.-' 5=4.@&A-</G 4A' C<> B/' BC<B' =4.' A.B/' B=='5EHC' <HHE/B=5.0' B=' 4' =BC.-' <40/

4.' = ' =E-' .<- ./B' K / B/' = ' 4/G.HB =4' 4' =L =' ;</' B=' BC.' B.5G .' = ' /<LE/<'6 < 4=B<> .' G <H.' = ' B/' L 40'6 <40' E ' = ' 4B.-./B' B=' BC.' /B-<4A.-' B' 5<@' >.' -.A<-0.0' </' BC.' G- 4H G< ' E00C /B' B.5G .' = ' =L ='6 <40' /' 0.0 H<B.0' B=' # ; <44=4'6 /=5.B 5./' A=0' <40' /=5.B 5./' A=00.//'6 B=' &;C=/.' 40 <4' =- A 4'6 5E B G .0' 4H<-4<B =4/'6 <40' <G<4./.' G=GEI <- B@' ' C<K.' . /. ;C.-.' <0K.-B.0 ' /<LE/<' ; </' =4H.' <4' =EB @ 4A' K <A.' 4.<-' .0=(BC.' H B@' = ' =L =' 5<@' 4= ;' >.' /< 0' 4=B' =4 @' B=' .5>-<H.' B'6 >EB' B=' C<K.' .40= ; .0' B' ; BC' <4' .//.4B < @' 5.B-=G= B<4' HC<-<HB.-' B' /' 4' 5<4@' /.4/./' BC.' 5=/B' G=GE <-' <40' -.ME.4B.0' B.5G .' 4' BC.' H<G B<'6 <40' <BB-<HB/' H-= ; 0/' H=4B 4E< @' B=' B/' /C- 4./'6 <40' <-A.-' H-= ; 0/' 5=-.' H=4B 4E< @' B=' B/' G-.H 4HB/' EB' .B' 4=' =4.' 5<A 4.' =-' <' 5=5.4B' BC<B' BC.' <BB-<HB =4/' = ' BC /' B.5G .' >.<-' <4@' /=-B' = ' -. <B =4' B=' BC.' <BB-<HB =4/' ; C HC' 0-< ;' BC.' H-= ; 0

. B .-' B=' BC.' >>.@' = ' ./B5 4/B.-' =-' B=' BC.' E--.@' <>.-4<H .' =-' B=' BC.' $-=& <BC.0-< ' = ' #.4/ 4AB=4 ' ! I .-.4B' </' <-.' BC.' 4 E.4H./' ; C HC' 4K B.' =E-' G.=G .' B=' BC./.' HCE-HC./' -./G.HB K. @'6 <40' B=' BC=/.' = ' ; C HC' BC./.' <-.' B@G./'6 <40' B=' BC.' 5<4@' =BC.-' HCE-HC./' ; C HC'6 <BB-<HB' >@' =-H./' .N /B 4A' 4' 4=4.' = ' BC./.'6 BC.' E00C /B' B.5G ./' = ' <G<4' <-.' .4B -. @' =EB' = ' -. <B =4' B=' < ' = ' BC.5 ' =-'6 /=' <-' </' =4.' H<4' /..'6 <-.' BC.@' 4' <4@' 5=-.' -. <B =4' B=' BC.' <4 5<B 4A' G- 4H G ./' = ' BC.' < BC' =4' ; C HC' BC.@' <-.' =E40.0 ' C.-.' /' >EB' BB .' 40..0' 4' BC.' BC-=4A.0' /<LE/<' B=' -.5 40' =4.' = ' BC.' Q' A-.@&C< -.0' /< 4B' R' / B<'6 ; C=/.' .<-/"

G /;' 1: '*2' (' *- (0:7' (0 /;' ' 1-%;0(' 0*-)*/:7' ' %/2' /2' 0*- 2' -(' . -7* ' =*/*-(0' 0 '' .1* 3:6(*' 0*' *)-'' ' /; /;' ' /;'' -(' 9%220-F'' = 6(0 H

40' ME B.' </' BB .' /' BC.-.' B=' -.5 40' =4.' = ' BC.' < B.-' 5E/ 4A/' = ' Q' =-0' E00C<' R' C 5/. '6 ; C.4' 4' /@ K<4' /= I BE0./' C.' =-A=B' C 5/. ' 4

G' 0*' + *'' &' 3*/

0*' +-7'' &' &-(*' (0*' 2 1(/*'' &' (0*' = 8'
0*' :*'' /'' &' (0*' 1 *-(% *'' &' (0*' = -8*
0*' '*1 *('' &' (0*' ' :*/1*' +0*/1*' -::' 1 3*'
0*' '*1 *('' &' (0*' ;: 3' +0* *(' -::' ;
0*' : &*' +0 10' : *'' =*(+**/' : 8*' (0-(' - 10' &:%/;'
4 3' 1: %2' (' 1: %2' -1 '' (0*' '87' +0 10' 0-(0'
'('' & ' ('' 3-' / 7' -/2')-. % 7' . * '
*:(/;' (') 2' -;- /' +0 10' +-'' ' ' &- '
' (0' '-..0 *' 0%*'' ;- /*(' -/2' 10 7' . -'* H' M

C.' <BB-<HB =4/' = ' /<LE/<' <-.' BC=/.' = ' <' < -' -<BC.-' BC<4' BC=/.' = ' <' B.5G .-' C.' <GG-=<HC' /' >@' <' =4A' /B=4.& G<K.0' <K.4E.' = ' /C=G/' <40' /B< /'6 <40' BC.' /0./' <40' ><HL' = ' BC.' B.5G .' <-=' /E--=E40.0' >@' B.<&C=E/./'6 ; <N ; =-L' .NI C > B =4/'6 <-HC.-@' -==5/'6 5=4L.@' /C= ; /"9' <40' =BC.-' .4B.-I B< 45.4B/' 4' BC.' 55.0 <B.' 4. AC>=E-C==0' / GA 4A' A - /' 5<L.' 5.--@' BC.' C.<-B/' = ' H B ?.4/' <40' G A- 5/'6 4A' BC. -' .<-/' ; BC' J=@=E/' 5E/ H'6 <40' BC. -' .@./' ; BC' 0<4H 4A' G HBE-./'6 Q' C.-.' /' 4=BC 4A' /B-<4A.' B=' BC.' <G<4./.' 5 40

M 4 ' (=1 '* -/2' (0*' %*'' / 3*2 %(*:7' . *1*2 /;' '*1' 2+ /' / :2F-' W ;0(' & ' - F

4 BC / </!/=H <B =4 = B. 5 G ./ <40 B=@&/C=G/ C. A==0 >=4?./ 4 BC. - /.-5=4/ 0.H <-." </ BC. -./E B = BC. - .N.A./ / <40 5 .0 B<B =4/" BC<B CE/><40/ <-. >=E40 B= =K. BC. - ; K./" <40 /C= ; B >@< = ; 4A BC. 5 G .4B@ = G 4& 5=4.@ <40 C< -&G 4/" <40 B= >. 4=B > BB.- <A< 4/B BC. 5 >@ 0.4@ 4A BC. 5 4.<B 0-.//./ <40 C<40/=5. A -0 ./ C. Z <-5 .- ;C= H=5./ B= B= ; 4 ; BC C / 0<EACB.- BE-4/ -=5 G-<@.- B= BC. GE-HC</. = G=5<BE5 =- < 5 --=- R D) - /F . =-. BC. B. 5 G . = /<LE/< /B<40/" </ / E/E< ; BC BC. E00C /B B. 5 G ./ = <G<4" BC. A<B. ; <@ D =5=4F" 4 BC / H</. < CEA. H=4/B-EHB =4" ; BC 4 ; C HC" =4. =4 H BC.- / 0." /H= ; BC. A- 5 A <4B A<B.L..G.-/ D =F" H<-K.0 <40 H= =E-.0 ; BC H-E. <-B 4B= B- E5GC/ = BC. C 0.=E/ <40 BC. 0.5=4 <H< 4." H= =E-.0 -.0" / /< 0 B= -.G-./.4B BC. (=- 5< .G- 4H G . = BC. C 4./. GC =/=GC@(BC. =BC.-" H= =E-.0 A-..4" / /< 0 B= -.G-./.4B BC. .5< .G- 4H G . 9 C. B. 5 G . B/. / ;<-5/ ; BC A=0/ <40 /C- 4./ <40 .5> .5/ <40 K=B K. A B/" <40 / < K.-@ >E/@ G <H. 40..0 <-A. >-=4?. H.4/.- -=4B/ @=E </ @=E .4B.-" /E-5=E4B.0 >@ < -<5 G<4B <4 5 < BC<B /..5/ 4 /B-<4A. H=4B-</B ; BC ; C<B =4. ; =E 0 < 4 H=4H. K. = </ BC. /<H-.04.// = BC. G <H. . =-. BC. C AC&< B<- / < CEA. >=N =- H= .- B= -.H. K. BC. 5=4.@ A B/ = BC. G.=G . C. < B<- B/. / /H-..4.0 ; BC <4 =G.4 <>- H = ; -. C. 5.BC=0/ = ;=-/C G <-.9 K<- =E/ ./ 0./ BC. >= ; 4A <40 BC. -E>> 4A = BC. C<40/ ; C HC H=5G=/. =4. 5.BC=0" <40 BC. E/. = /B- 4A/ = >.<0/ L. BC=/. .5G =@.0 >@ =5<4

M G 6+ 6' / ? F+ / % *2 < / ;'@ (0 ;%- 2 -/ " &(0 ;0(//2 : &(0*' - * -:+-7 .:-1*2 %/2* (: * ;-(*+-7 /- 3-7 = '**/ -('-8%'- -/2 & 3* :7 -(0=- : 3 '(1*:*= -(*2 - * -(0=-6 7-/ -63% - / <-2A%'- 0* 2 :" - * *1(& ;% *" + (0 &: + / ; =*'N (0-(/ (0* : ;0(&-1 / ; (0* (*3 .:* " *2 0-" (" 3 %(0 .*/ -/2 -l . *'*/(" (0*) 3 -:* . /1 .:* & #0 /*'* .0 : ' .07 0-(/ (1 :*&(" ; **/N (0* 3 %(0 " & 3:7 1: '*2 /2 1-( )* & ' :*/1* (0* &*C 3 -:* . . /1 .:* 3 -:: . /(" & (: *'* . -'(*2 / (0* =*-3 ")* (0* */(-/1*" & 0 %'*' . (*1((0*3 & 3 =% ;:- " -/2 (: 1 *' -C)*::* " / & (. *'*/(:- ; ' '(-+ '-/2-:' -/2 0-/; (0*3 -((0*'* .:-1*' : *7 -:' =% / $? /C 1*/'*@ -/2 . -7 & . *2*'(-/ '(*/;(0 (.* & 3 (0* 5 % /*7 H & %/21' 4%' / 9 8% F !1* */; -) /; &-1 /; . "#') :

$' 0' ' 7 '. ' ' ' 0' I

<BC= H/'W KC H ' =-5' <4=BC.-'¶ BC.-.' <-.' B ; =' .ME< @' HE- =E/'¶ >EB' =>K =E/ @' = ' K.-@' E4.ME<' . H .4H@' ' BC./.' BC.' -/B : ; C HC' /' <00-.//.0' B=' <' A=0' = ' 5=0.-<B.' / ?.' <40' <HH.// > .' G=/ B =4'¶ <40' ; C HC' <GG.<-/' =4 @' <GG H<> .' B=' >=0 @' < 5.4B/' =-' 5G.- .HB =4/ : H=4/ /B/' 4' -E>> 4A' BC<B' G<-B' = ' BC.' >=0@' = ' BC.' 0=' ; C HC' H=--./G=40/' ; BC' BC.' 0. .HB K.' 5>' =-' =-A<4' = ' BC.' 0.K=B..'¶ <40' BC.4' -E>> 4A' BC<B' 5>' =-' =-A<4' B/. ' ; BC' H=--./G=40 4A' .4.-A@' Q 0=/' 5<@' >=' /..4'¶ ; . ' ; =-4' >@' 0.K=B../' -E>> 4A' BC.' AE-.' <40' BC.4' BC.' H=--./G=40 4A' G=-B =4/' = ' BC. -' = ; 4' >=0 ./(BC /' A=0' /' H< .0' 4?E-E' .4J<'¶ <40' -.G-./.4B/' BC.' /.-K<4B' = ' BC.' 0 /H G ./' = ' C<L<' D E00C<F'¶ 4=B.0' =-' C /' .4.-A@' <40' E4B - 4A' G.-/.K.-<4H.' 4' <BB.40 4A' B=' C /' 0EB ./' R' D$ =E40./F' 4?E-E' = ' /<LE/<' /' <' ; . &; =-4' 0='¶ E40.-A= 4A' / = ;' >EB' K.-@' H.-B< 4' 5EB <B =4' C.' .<BE-./' = ' C /' <H.' <-.' /<0 @' -.0EH.0'¶ 4=B' B=' /<@' A=4.'¶ <40' C /' =- A 4<' H=5. 4.//' = ' =-5'¶ ; C HC' 5<@' /B ' >.' 4 .--.0' -=5' ; C<B' /' . B' = ' C 5'¶ C</' < -.<0@' 0 /<GG.<-.0' =-' /' BC /' B=' >.' ; =40.-.0' <B' H=4/ 0.- 4A' BC.' .4.-A@' ; BC' ; C HC' C.' /' /=5.B 5./' ; =-/C GG.0' 4' =4.' =HH</ =4' ' =>/.-K.0' <' ; =5<4'¶ ; C=' /H<-H. @' /..5.0' B=' 4..0' 5EHC' GC@/ H<' 5G-=K.5.4B' JE0A 4A' -=5' C.-' =EB ; <-0' AE-.'¶ K A=-=E/ @' .NB-<HB 4A' K -BE.' -=5' 5<4@' G<-B/' = ' BC.' /E>I 5 // K.' 5<A.'¶ <40' </' ?.< =E/ @' <GG @ 4A' B'¶ /=' BC<B' B' ; </' 0 HE B' B=' 0 /H=K.-' ' /C.' C<0' <4@' /=E404.//' ; C<B.K.-' B=' .B' < =4.' ' <5' 4H 4.0' B=' >. .K.' BC<B' BC /' <0@' ; </' B==' -. A =E/' 4' C.-' ; <@'¶ 4=B' B=' /<@' <4<B H<'¶ =-' < ' BC.' C.< 4A' <40' <HB K.' G= ; .-/' = ' G==-' 4?E-E' < .0' B=' /<B / @' C.-'¶ <40' /C.' ; .4B' -=5' A=0' B=' A=0'¶ <40' -=5' /C- 4.' B=' /C- 4.'¶ ; BC' <' /B.<0 4.//' <40' 5G<-B < B@' = ' 0.K=B =4' BC<B' ; .-.' 5=/B' E4E/E<' ' L.' /=5.' =BC.-' 0.K=B../' BC<B' =4.' C</' L4= ; 4'¶ C= ; .K.-'¶ ; C .' .NB-<HB 4A' < ' BC.' > .// 4A/' <40' >.4. B/' BC<B' C.-' < BC' H=E 0' /.HE 3.' =-' C.-0' /C.' /C .0' D ' ' 5<@' /=' /G.<LF' <B' BC.' / ACB' = ' BC.' H= .-/'¶ <40' A<K.' 4=BC 4A' 4' BC.' ; <@' = ' 4<4H < ' < 0' B=' BC.' B.5G .' = ' C.-' HC= H.' C /' H=40EHB' =4' C.-' G<-B' /' BC.' 5=-.' -.5<-L<> .' </' /C.' A<K.' 4=' 40 H<B =4' = ' C<K 4A' H=5.' 4' <4@' 0.A-..' E40.-' BC.' Q' H K / 4A' R' 4 E.4H./' 4=;' <B' ; =-L' 4' BC.

I

H=E4C&@'' <40' /. /C4.//' 0=./' 4=B' /..5' B=' >.' <' 4<BE-<' HC<-<HB.- /B H' = ' BC.' <G<4./.' G.=G .

C.' =BC.-' G.HE <-' =-5' = ' ; =-/C G' B=' ; C HC' ' C<K.' <0K.-B.0'' <40' ; C HC' =E-I /C./' 4' BC /' <40' 4' / 5 <-' B.5G ./'' H=4/ /B/' 4' HC.; I 4A' G. .B/' = ' G<G.-' <40' Q' /C@ 4A'R' BC.5' <B' BC.' 0= ' ' BC.@' /B HL'' BC.' <HB' /' B<L.4' </' <' / A4' BC<B' BC.' G-<@.-' /' C.<-0('' BC.@' < ' = '' B' /' <' / A4' BC<B' B' /' 4=B' C.<-0 ' C.' E00C /B' A=0/' <-.' = B.4' . <>=-<B. @' 0.H=-<B.0' ; BC' BC./.' .5I > .5/' = ' G .B@'' <40' B' /' -.</=4<> .'' G.-C<G/'' B=' 4 .-' BC<B' BC.' 5=-.' BC.-.' <-.' = ' BC.5' BC.' A-.<B.-' /' BC.' >.4. H.4H.' = 'BC.' A=0

C /' 5<@' >.' BC.' G-=G.-' G <H.' =-' -. .-- 4A' B=' @.B' <' BC -0' 5=0.' = ' ; =-/C G'' ; C HC' /' B=' >.' =E40' 4' <G<4' </' ; . ' </' 4' 40 <'' <40' ; C HC' H=4/ /B/' 4' G-<@I 4A' >@' 5<HC 4.-@ ' ' 0 0' 4=B' =>/.-K.' <' G-<@ 4A&' 5<HC 4.' ; BC 4' BC.' B.5G .' = ' /<LE/<'' >EB' BC.-.' /' =4.' =EB/ 0.' = ' B' B' /' 4. BC.-' 5=-.' 4=-' .//' BC<4' <' ; C..' 5=E4B.0' 4' <' /B=4.'

)& '

G=/B' 4' <HH=E4B' = ' <' / 5 <-' ; C..' <B' <L=0<0' /' A K.4' ; BC' <' /L.BHC9' 4' BC.' = H <' -.H=-0' = ' =55=0=-.

$.--@3/' 5.- H<4' NG.0 B =4' B=' <G<4' B' H=4/ /B.0' =' <' B< ' G=/B'' C<K 4A' <4' -=4' ;C.. ' 4/.-B.0' 4' <' 5=-B H.' EG=4' <4' <N .' C.' ;C.. ' C<0' BC-.. ' /G=L./'' ; BC' B ;=' ==/.' -=4' - 4A/' EG=4' .<HC' C.' J 4A .' =' BC./.' - 4A/' H< /' BC.' <BB.4B =4' =' BC.' A=0' ;C.4' BC.' G<//.-&>@' BE-4/' BC.' ;C.. ' K.-@' =4.' ;C=' BE-4/' BC.' ;C.. ' /' /EGG=/.0' B=' =>B< 4' H-.0 B' =-' G-<@.-/' G-=G=-B =4.0' B=' BC.' 4E5>.-' =' BC.' ;C.. 3/' -.K= EB =4/' C.' =E-' / 0./' =' BC.' G=/B' <-.' H=K.-.0' ;BC' E00C /B H' 4/H- GB =4/'' =' ;C HC' BC.' H=5G .-' =' BC.' -.H=-0' -. .--.0' B=' A K./' BC.' B-<4/ <B =4/' ;C HC' ' -.G.<B' 4' <' ==B4=B.9' C.' H=5G .-' < /=' -. .-/' B=' BC.' G-<@ 4A&5 /' =' C >.B'' B=' /=5.' =' ;C HC' ;<B.-&G=;.-' C</' >..4' <GG .0'' <40' /EAA./B/' B=' BC.' <G<4./.' BC.' 0./-<> B@' =' 5G-=K 4A' EG=4' BC /' >@' .5G =@ 4A' /B.<5&G=;.-' =-' BC.' GE-G=/. :' <' /EAA./B =4' ;C HC' BC.' 5=0.-4' <G<4./.' ; ' L4=;' C=;' B=' ./B 5<B.' <B' B/'JE/B' K< E.'' .B' E/' C=G.

BC.-' =-5/' =' 0.K=B =4' H=55=4' 4' BC /' B.5G .' <40' BC-=EAC=EB' <G<4' <-.' BC=/.'' =' ;-B 4A' G-<@.-/' =4' / G/' =' G<G.-' <40' <BB<HC 4A' BC.5' B=' BC.' /C- 4.' =' BC.' A=0' B=

M G' 0*' ;*-(' %/2' 3 ' &' 8/ +:*2;*'-7''W '*' 3*/'-/2'& :'' -*' *3=- 8*2' /' (0*' '-3*' = -('N +0*(0*' . '. **:' ' -&&: 1(*2' = (0' -*' + /;')*' (0*' 2**.' :-8*N (0*' ;-7''- :'' : ;0(:7'0-/;' (' 1-(10' (: ' -%(%3/-:' = **A*N (0*/' -+-7' (0*7' '(- ;0(' */(*' (0*' :%'(%'' 1: %2'' -/2' =*1 3*' .- (-8* '' & 0*-)*/F'' 8/ +:*2;*H

G' 0*' =*: *) /;' 3-/' -/7' 0*/6' 8-3-/' +0' /' : /;*' ; +'' :2H

G' : '=*: *) /;'+ 3-/' /1*' 1-::*2' %*// /;'' 0-..7' +-'' (: ' 2-7' '0*' :*&(H

G' %:((%2*'' (::' (0*' ; -)*' H

G' '*/-=:*' (' *'/(*' (0*' -= 2*'' & (0' 5 &11(' /2' (' '73.-(0 '*' &%::7' + (0'(0*' 3*/' &' (0' + :2'=*: /;'' (' 9%:20-' (' '' /:7'=7' (0 '' /*')*C 0 1:*'(0*' 1 && /' + '1-/'*/(*' -2*'' 0* *' '' / %;0(': 8*' 9%220-'/ (0 /;' -(-:: H

G ' & (0*' 0%3-/' -**' + (0 0*- ('' 3 /2'' -/2' %/2* '(-/2/;'' +0*/' +*' *-2'(0*') :%3*'' & 9%220-' */5 7' ;*-(-2)-/(-;*' H

G *' +0 '*' . *'1*/1*' 2*(*1('' 8/ +:*2;*' '-7' ' '' (0*' &: -(%5E' ; -'' '' =: +/' =7'(0*' ;*/(:*' = **A*' ' (0 ' ;:-/1/;' . .:*'' & -%(%3/' 2'-..*-' +0*/'(0 '%/' ;*''2 +/' ' -'' (0 '0.' *(% /'' 0 3 '(' 0* ' :2'0 *'' ' '': &*' (' '' -'' 3 8*' -' 3 / /;'(2*H

G 9%220-'0 3 '*:&*- /*'(:7'2*' *'' ('0*-' (0 '/-3*' &'(0 '' .* ' /'?+0 '' =% *2@' -/2' + '0*'' 0 ' 3-7' ;' (' : &* H

WW ' +0 ' 0-'' :*&(' 0%3-/(7' '' / +' .* &*1(*2' =7' 9%220-F'' /-3*' -'' (0*' + (0* *2' 3 '' '' =7' (0*' 2*+H

G 0*' 1-/ /' & 9%220-' '-7'' :' +0 ' *-10' (0 '=: ''&%:' :-/2' + :' =*C 1 3*' ' '(0-(' (0*7'1-// (' = ' 3-2*'(' (-/'3 ; -(*' ? ' 10-/;*' & ' (0*' + '*@H

P

>.' 5=K.0'' <40' = ' /E/G.40 4A' K=B K.' G HBE-./' <40' =BC.-' =>J.HB/'' < B.-' BC.' </C =4' = ' 5<4@' =5<4' <BC= H' HCE-HC./ ' =5.' = ' BC./.' <-.' 5.5=- < /' = ' A-<B BE0.' =-' <K7E-/' <40' >.4. H.4B' 4B.-K.4B =4/' 4' BC.' G</B(=BC.-/' <-.' .5> .5/' = ' G-<@.-' <40' G-=G B <B =4' =-' EBE-.' >.4. B/' ' ' BC.' <HH 0.4B/'' 5 /HC<4H./'' 5 -<H ./'' C=G./'' <5C B =4/'' 40' =4AI 4A/' = ' .' <-.' -.G-./.4B.0' C.-.(<- 0' =4.' /' <B' <' =//' : ;C.4' ==L 4A'' =-' .N<5G .'' <B' <' -<5.0' <40' A <?.0' G HBE-.' = ' BC.' $<H H' < ' B.<5/C G' =5G<4@3/' /C G/' ;C HC' /' CE4A' EG' C.-. : B=' ;=40.-' ;C.BC.-' =4.' = ' BC.' A-.<B' 5.B-=G= B<4' B.5G./' = ' <G<4' /' 4=B' >.4A' >-=EACB' 0=;4' B=' BC.' 5/.-<> .' .K.' = ' =E-' = ;4' = ;4/' <40' H B./'' 4' ;C HC' BC.' <0K.-B/.-' /' < = ;.0' B=' GE/C' -=5' / ACB' <40' /.4/.' .K.-@I BC 4A' >EB' C /' = ;4' 5=4/B-=E/' 5G.-B 4.4H.'' <40' BC.' BC 4A/' =4' >.C< ' = ' ;C HC' BC<B' /' .5G =@.0' Q' .@=40' BC.' A-.<B' /G<H.' 0.K=B.0' B=' BC.' GE> H' <-.' BC.' K<- =E/' < B<-/' <40' A B' 5<A./' = ' BC.' 0.B./'' /<A./'' <40' /< 4B/' = ' BC.' E00C /B' $<4BC.=4' <40' < .40<-' <40 ./' >E-4'' 4H.4/.' =<B/'' <40' BC.' /<H-.0' >==L/' -.G=/.' C.-.' C.' G- K .A.0' < BC E ' H<4'' =-' <' ..' B=' BC.' <B' G- ./B/' ;C=' / B' >.C 40' BC. -' <HH=E4B&' >==L/'' H=5.' ; BC 4' BC.' -=4' ; -.' /H-..4'' <40'' L4.. 4A' =4' BC.' H .<4' 5<BB 4A' 4' -=4B' = ' BC.' A-.<B' < B<-'' 5<@' G-<@'' =-' -.<0' =-' HC<4B' /<H-.0' >==L/'' H<4=4 H< ' =-' BE-A H< '' =-'' <K 4A' <' K=;' B=' <' G<-B HE <-' 0. B@'' =-' ; /C 4A' B=' 4K=L.' BC.' 4B.-H.// =4' = ' <' /G.H < ' /< 4B'' 5<@' .4B.-'' B=' L4.. ' -.5=B.' -=5' BC.' H-= ;0' R' D)- /F

B' /' E44.H.//<-@' B=' -.H=E4B' C.-.' =E-' K / B/' B=' =BC.-' B.5G./' 4' =L ="' . BC.-' E00C /B' =-' C 4B='' </' 4' -.H=-0 4A' =E-' J=E-4.@' BC-=EAC' BC.' 4B.- =-' ' /C< ' C<K.' 5<4@' =HH<I / =4/' XB=' 5<L.' 5.4B =4' = ' /EHC ' B' ;</' 4.H.//<-@' B=' B<L.' 4=B H.' = ' BC<B' = ' L</EL<'' = ;4A' B=' B/' E4 ME.' H. .>- B@'' <40' B=' BC.' G-=5 4.4B' G <H.' ;C HC' B' =HHEG ./' 4' BC.' G-./.4B' .' = ' BC.' H B@ ' EB' </' B' C</' >..4' 0./H- >.0' 4' 0.B< ' >@' =BC.-/'' ' C<K.' >..4' H=4B.4B' B=' /L.BHC' B/' .<0 4A' HC<-<HB.- /B H/

.K.-< '0<@/' = '=E-' -/B' 5=4BC' 4' =L =' ;.-.' 4/B-EHB K. @' /G.4B' 4' <HME< 4B 4A' =E-/.K./' ; BC' BC.' 5.BC=0/' GE-/E.0' 4' BC.' G-=0EHB =4' = ' BC.' >.<EB E ' <G<4./.' ;=-L/' = ' <-B' 4

<HME.-' <40' >-=4?. ' K.-@' G-=H.//' <40' 0.B< ' ; .-.' < 0' =G.4' B=' =E-' . /E-. @' 4/G.HB =4'' <40' 0. ACB E ' B' ; </' B=' =>/.-K.'<40' K<BHC' BC.' =G.-<B =4/' = ' BC.' <-B& <>=E-.-/ ' C./.' 5<4E <HBE-./' <-.' H<-- .0' =4' 4' /5< ' 0.B<HC.0' -==5/' <40' ; =-L/C=G/'' ; C HC' >.<-' 4=' -./.5> <4H.' ; C<B.K.-' B=' BC.' A-.<B' <HB=- ./' KBC' ; C HC' ; .' <-.' <5 <-' <B' C=5.'' <40' < B.-' 5<4@' K / B/' B=' BC.5'' >=BC' 4' BC.' H<G B<' <40' 4' BC.' 4B.- =-' B= ; 4/'' ' H<4' H=-0 < @' /<@' ; BC' ! -' ! -.//.-'' ; C=' K / B.0' <G<4' B=' /BE0@' BC.' /E>J.HB'' BC<B' Q ; C .' BC.' <-B' G-=H.//./' = ' <G<4' <-.' /EHC' </' -.40.-' BC.' G-=0EHB =4' = ' ME<4B B@' 5G=// > .' ' .NH. .4H.' /' B=' >.' =>B< 4.0'' BC.@' @.B' /.HE-.' BC.' C AC./B' 0.A-..' = '<-B ' 5A- B R' ' H<4' L. ; /.' /<@' ; BC' C 5'1 % 'C<K.' ; <BHC.0' BC.' G==-' <-B /<4' <>=E- 4A' <B' C /' ; =-L' ; BC' <4' .<-4./B4.//' <40' =K.' /EHC' </' ' 4.K.-' >.C. 0' =EB' = ' <G<4'' <40' BC.' K.-@' .<BE-./' = ' BC.' ; =-L5.4' B./B @' B=' BC. -' C<GG 4.//'' <40' B=' BC.' =K.' ; BC' ; C HC' BC.@' G.- =-5' BC. -' G< 4/B<L 4A' <>=E-' =' BC=EACB' = ' A< 4' <GG.<-/' B=' .4B.-' BC. -' 5 40/'' <40' 4=' B=EHC' /' /G<-.0' ; C HC' ; ' 5<L.' BC.' K=-L' 5=-.' =K. @(BC /' /' C= % BC.' >.<EB E ' ; =-L/' ; C HC' ; .' 0. ACB' B=' ==L' EG=4X' <-.' G-=0EH.0 R' B' /' < /=' B-E.'' </' C</' >..4' /< 0"9' BC<B' Q 4' BC.' <G<4./.' ; =-L5<4' BC.-.' /' -/B' <4' 4B.4/.' =K.' = ' 4<BE-.(C.' /' <' /BE0.4B' = ' 4<BE-.'' <40' =K./' > -0/'' = ; .-/'' <40' 4/.HB/'' <40' C.' H<-- ./' =EB' BC /' =K.' 4' C /' ; =-L ' EB' BC.' A-.<B' G= 4B' /' BC<B' C.' BC 4L/'' /=' B=' /G.<L'' BC-=EAC' BC.' 5<B.- < ' 4' ; C HC' C.' ; =-L/ ' 4' < ' 5@' .NG.- .4H.' <40' .N<5 4<B =4' = ' <G<4./.' =>J.HB/' ' C<K.' < .0' B=' 40' <4@' .K 0.4H.' BC<B' BC.' ; =-L5<4' C</' .K.-' BC=EACB' = ' 5 B<B 4A' <4@' =BC.-' 5<B.- < '' 5.BC=0'' =-' G-=H.//' BC<4' BC<B' 4' ; C HC' <40' =-' ; C HC' C.' ; </' ; =-L 4A R'

-=5' BC.' .<- ./B' 0<@/' BC.' G-=0EHB =4' = ' <HME.-& ; =-L' C</' >..4' < /G.H < B@' = ' <G<4'' <40' =4.' 4' ; C HC' B' C</' 4.K.-' >..4' .ME< .0 ' B' /' H=4/ 0.-.0' >@' /=5.' BC<B' B' <BB< 4.0' B/' A-.<B./B' <-B /B H' G.- .HB =4' 4' <G<4' <>=EB' K.'&CE40-.0' @.<-/' <A='' = ' ; C HC' <40' = ' =-5.-' G.- =0/' BC.-.' <-H' 5<4@' /G.H 5.4/' .NB<4B'' ; C .' BC.' 5<4E <HBE- 4A' /L ' <K /C.0' * G=4' B' ; </' A-.<B.-' -=5' =4.' B=' BC-..' H.4BE- ./' <A=' BC<4' <B

<4@ =BC.- G.- =0 B /</B / <HB=-@ B= L4= ; C= ; .K.- 5=-.
./G.H < @ </ BC. = 0 <HME.- = <G<4 /4= ; >.H=5 4A .NI
H..0 4A @ -<-. <40 G-.H =E/ 4 BC. H=E4B-@"9 BC<B < BC=EAC
<-A. ME<4B B ./ = H=5 5=4 <HME.-& ; =-L /4= ; G-=0EH.0 4
BC. H=E4B-@ BC. <-B = G-=0EH 4A BC. >./B ; =-L 4 >=BC <
5<4E <HBE- 4A <40 <-B /B H /.4/. / /B E @ G-./.-K.0 <40
G-<HB /.0 < BC=EAC BC. K< E. = <>=E- C</ A-.<B @ 4H-.</.0
= H=E-/. 4 BC. H=E4B-@ / 4H. BC. 0<@/ . BC.- = <L ' J =-
= @.@</E C. .NC > B =4 = $<- / 4 , E-4 /C.0 BC.
; =- 0 ; BC <>E40<4B G-== / = BC / /B<B.5.4B C / <40
=-5.- E-=G.<4 <40 5.- H<4 .NC > B =4/ ; C . <5G @
-.H=5G.4/ 4A BC. <G<4./. .NC > B=-/ C<K. H-.<B.0 /= A-.<B
< E-BC.- 0.5<40 =- BC. - G-=0EHB/ BC<B B / 4=B .</@ B=
/E/B< 4 < G-=G=-B =4<B. /EGG @ C. 0 HE B@ ./ 4 BC.
<HB BC<B BC. HC<-<HB.- /B H -. 4.5.4B/ <40 0. H<H ./ =
BC. >./B <-B C<K. >..4 C<40.0 0= ; 4 -=5 <A. B= <A. -=5
<BC.- B= /=4 <40 H<44=B >. .<-4B -=5 >==L/ =- 4 /HC== /
= <GG-.4B H./C G

C<K. /< 0 BC<B BC /G-=0EHB =4 = HC= H. <HME.-& ; =-L 4
<G<4 H=5./ 0= ; 4 -=5 K.-@ -.5=B. B 5./ >==L /< 0 B=
C<K. >..4 ; - BB.4 4.<- @ B ; = H.4BE- ./ >. =-. BC. C- /B <4
.-< /G.<L/ = <-B H ./ = <HME.- >. 4A .5G =@.0 <B BC.
H=E-B(<40 ; . =E-/. K./ /< ; 4 BC. B.5G . = =0< J 4
BC. <4H .4B H<G B< = <-< <HME.- >=N./ =- H=4B< 4 4A
G-<@.-&>==L/ ; C HC <GG.<- B= C<K. >..4 5<0. 4 BC. BC -0
H.4BE-@ = =E- .-< ; C HC <-. 5EHC <05 -.0 >@ H=44= //.E-/
<40 <-. C. 0 B= G-=K. BC<B BC. <-B C<0 <BB< 4.0 A-.<B .NI
H. .4H. .K.4 4 BC=/. <4H .4B 0<@/ 4 BC. @.<- P
< 5 4 /B.- = /B<B. GE> /C.0 <; =-L 4 ; C HC -.0 <40 A= 0
<HME.-/ <-. 5.4B =4.0 4 S <4 = H.- D 4<5=B=&4=&
E 4F GE> /C.0 <4=BC.- ; =-L"\ 4 ; C HC C. /G.<L/ =
<HME.-/ = A= 0 <40 L. ; /. = =BC.- <HME.-/ L4= ; 4 </
; C HC <-. = =-<4A. H= =E- /= ; 4 ; BC /G<-L/ = A= 0"

M G 4 < = > -= %(' > /10*'6L W *''* -((0* 1*(7 & (' '&5%- * + - -'8*2 / , - . - / 7 + / *>.* */1* 1 = -(*'
9:;;'((: 5; -/2 -27 $-L8*'(:2 (0 '
3 (0-(& /*'.*1 3*/ '+* *' / 8 (' W /; '0 8 F=7 (0* -6 - 65 / '
= /; /;' (T*%L +* ;0(/ ; :2 H !' < ('%= / ;-(- F

BC<4 BC. <HME.- .NC > B/ = BC. <G<4./. /.HB =4 B /
BC7EACB >@ /=5. <EBC=- B ./ BC<B BC. 4./B /G.H 5.4/ =
<4H .4B ; =-L ; .-. BC.4 /E-G<//.0 >=BC 4 =-5 <40 4
H= =E- C. 5<4E <HBE-. /H<-- .0 =4 4 /.K.-< G-=K 4H./
CEB B/ >./B ; =-L5.4 <40 5=/B G.- .HB ; =-L/ <-. B= >.
=E40"3 B /< 0 4 BC. BC-..A-.<B H ./ : =L = # =B= <40
/<L<

C. <G<4./. <HME.- /< 0 E/E< @ EG=4 <-B H ./ = ; ==0
<40 4=B EG=4 <-B H ./ = G<G .-&5<HC. </ 5<4@ /EGG=/. B
/ G-=0EH.0 -=5 BC. /<G = BC. * +) , ; C HC /
B<L.4 4 B/ 4<BE-< /B<B. 4B= <-A. ; ==0.4 BE> =-@<B
<40 BC.-. /B --.0 4 BC. /E4 ; BC <W <-A. /G<BE <G4B B/
.NH.// = ; <B.- /.K<G=-<B.0 4 /=5..H</./ BC. K<-4 /C /=
G-=0EH.0 E40.-A=./ H<-. E /B-< 4 4A(4 =BC.-/ B /5 N.0
; BC /E GC<B. = -=4 <40 4 =BC.-/ ; BC K.-4< =4" =-.0
=N 0. = -=4 =- 40 A= / /=4J.B 5./ .5G =@.0 <40
G= ; 0.-.0 /B=4. L. ; /. 4B=/=5. C .- =- K<-4 /C./ < /=-B
= G</B." 5<0. = - H. .4B.-/ 4 < H=4/ 0.-<> . G-=G=-B =4
C.-. <-. <0=?.4 5.BC=0/ = .5G =@ 4A BC. K<- =E/ K<-4 /C./
0 .- 4A <HH=-0 4A B= BC. 4<BE-. = BC. =>J.HB B= >. G-=0EH.0
4 BC. >./B <HME.- 4E5.-=E/ H=<B 4A/ <-. <GG .0 0- .0
<40 G= /C.0 /EHH.// K. @ C. -/B G= /C 4A/ <-. 0=4.
; BC < /B=4. 4<5.0 $) *D/E B<> . =- C=4./F BC. <B.-
>@ 5.<4/ = ; <B.- <40 HC<-H=< "&5<0. -=5 BC. -) $)
+ . <40 BC. </B ; BC GE K.- /.0 /B<A3 C=-4 BC.
G= /C 4A/ <-. . .HB.0 >@ BC. > 40 C. <@ 4A(=4 = BC.
/EHH.// K.& <@.-/ = K<-4 /C / = B.4 < C<BB.- = A-.<B /L
H<-. <40 G<B .4H. ./G.H < @ ; C.-. C AC @-< /.0 *- <H./ <-.
-.ME -.0 >@ BC. H=40 B =4/ = BC. 4 /C.0 0./ A4(<40 BC=/.
; C= .N<5 4./=5. = BC. >./B /G.H 5.4/ = <G<4./. <HME.-
BB . 5<A 4. C= ; 5EHC = BC./. ME< B ./ C<K.*C.=4 .NI
G.40.0 EG=4 BC.5 4 C /-.H.4B =-L =4 BC. W -B <40 -B
40E/B- ./ = <G<4"33 - #EBC.- =-0 H=HL /<@/ - Q -
EO/ .@ /G.<L/ = =4. H<> 4.B 4 BC. H= .HB =4 = - <5./
= ; ./ 4 ; C HC C. BC 4L/ C. H<4 0 /B 4AE /C 4 4.0 .-.4B
/G.H ./ = <HME.-/ <40 B ; .4B@& =E- 0 .-.4B 5=0./ = <-B /B H
B-.<B5.4B B=A.BC.- ; BC / NB..4 0 .-.4B 5=0./ = <GG @ 4A
<40 0.H=-<B 4A A= 0& ; =-L <40 /.K.4 ; <@/ = B-.<B 4A K<- =E/

5 .B< /'6 ' ' ' C.-.' /' 4 4 B.'K<- .B@' 4' BC.'K< E.' ; C HC' BC.'
<G<4./.' BC.5/. K./' <BB<HC' B=' /G.H 5.4/'6 <HH=-0 4A' B=' BC.'
4.4.//' = ' BC=' K<-4 /C' .5G =@.0'6 <40' BC.' B 5.' BC<B' C</'
. <G/.0' / 4H.'BC.' =-L' ; </' H=5G .B.0'6 </'BC.'K<-4 /C' <HME -./' Z
>@' <A.' <' K B-.=E/' C<-04.// ' ' H=E-/.' BC.' ME< B@' = ' BC.'
0./ A4' <40' <-B /B H' B-.<B5 .4B' .4B.-/'< /=' <-A. @' 4B=' BC.'
ME./B =4' = 'K< E. R'

4' BC.' G<//<A.' ; C HC' ' C<K.' =5 BB.0' -=5'BC /' ME=B<B =4'
=HHE-/' BC /'/.4B.4H.1' Q') = 0' <40' =BC.-' 5.B< /' <40' H= =E- 4A'
5<BB.-/' <-.' /=5.B 5./' 5 4A .0' ; BC'6 <40' <B' =BC.-/' <GG .0'
=4'6 BC.'/E- <H.'6 </'B .'0./ A4/' <-.' . <>=-<B.0'6 >?]' '/' +'
' ' 0*)' ,'1' /' -' EBC.- =-0' C</' C 5/. '/..4'6 </'
C.' /B<B./'6 BC.' G-=0EHB =4' = ' <G<4./.' <HME.-& ; =-L'6 B' /
C<-0' B=' H< ' 4' ME./B =4' BC.' /B<B.5.4B9' = ' <HB' ; C HC' C.'
-.G=-B/(' >EB' B' /' H.-B< 4 @' <4' .--=-' B=' /<@' BC<B' A= 0'6 =-'
.N<5G .'6 /' <GG .0' B= <G<4./.' <HME.-' 4'6 <' ME 0' /B<B.' 4'
BC.'H</.' = '/5==BC&/E- <H.' <HME.-/'6 ; C.-.' BC.' A= 0' /' 4=B' B='
C.' 4' -. .'6 BC.'H=E-/.' GE-/E.0' /' </' = = ;/' C.' 0H/ AC' B='
>= G-=0EH.0' /' B-<H.0' EG=4' <' .< ' = ' G<G.-'6 ; C HC' /' BC.4'6
-.K.-/.0'6 <40' C</' -.G.<B.0' EG=4' BC.' =GG=/ B.'/ 0."= ' B' BC.'
=EB 4./' <40' =BC.-' .<BE-./' = ' BC.' 0./ A4'6 4' <' 5 NBE-.' = '
K<-4 /C' <40' K.-5 =4' /= B.4.0' =K.-' <' 5 0' - ' C /'/ 0.'
= ' BC.' G<G.-' /' BC.4' <GG .0' B=' BC.' <HME.-' B=' >=' 0.H=-<B.0'6
<40' BC=' WG<G.-' /' -E>>.0' <40' G-.//.0' EG=4' B' >@' 5.<4/' = ' <
5< 9/G<BE <&' = ' ><5>==' C.' B-<4/ .-' = ' BC.' G<BB.-4' 3=5'
BC.' G<G.-' B=' BC.'^ <HME.-.0' /E- <H.' /' E-BC.-' </// /B.0'R>@'
A.4B @' >.<B 4A' BC.' G<G.-' 0= ; 4' ; BC' <' /5< ' / L' ><A' H=4I
B< 4 4A' G= ; 0.-.0 /B=4.'6 C.' G<G.-' /' BC.4' G.. .0' '6 <40'
H<4' >.'E/.0' <A< 4' '0./ -.0' C.'/ AC'-. .' = 'BC.'G<BB.-4'
/=' G-=0EH.0' *EG=4' BC.' <HME.-' /' -E>>.0' 0= ; 4' ; BC' H<->=4'
G= /C'6 <40' BC.'0./ A4'6 <40' BC<B' < =4.'6 /' BC.4' ACB @' H=K.-.0'
; BC' <' BC 4' <@.-' = 'ME HL @' 0-@ 4A' K<-4 /C ') = 0' 4' G = ; 0=-'
/' BC.4' <GG .0' B=' BC.' 5= /B' /E- <H. : >@' 5.<4/' = ' <' =<5.-/&'
C< -' G.4H ' ' BC.' A= 0&G= ; 0.-' >.' 4.'6 <40' >@' 5.<4/' = ' <'
/5< ' BE>.' ' B' >.' H=5G<-<B K. @' H=<-/.' <40' C.<K@' C.'
<-B H .' /' BC.4' 0- .0' =-' <' 0<@' 4' <' ; <-5' H =/.B'6 /EHC' </' /

E/.0 =- 0-@ 4A BC. =-0 4<-@ <HME.-K<-4 /C C. 0./ A4 /4./B ACB @ H=<B.0 ; BC <K.-@ BC 4 <@.- = K<-4 /C <GG .0 >@ 5.<4/ = G<G.- /B..G.0 4 B <40 G<//.0 K.-@ 0. H<B. @ =K.- BC. =>J.HB ; C HC /BC.4 -.&0- .0 4 BC. H =/.B C. =>J.HB -.H. K./ /.K.-< E-BC.-.NB-.5. @ ACB H=<B 4A/& = K<-4 /C <40 /E>/.ME.4B G= /C 4A/ >. =-. B /H=5G .B.0 K.- / <GG .0 4 G=;0.- 4 BC. /<5. 5<44.-

C.4 . BC.- A= 0 =- / K.- C</ B= >. <GG .0 B= 0./ A4/ 4 -. . BC. 0.B< / = BC. G-=H.// K<-@ H=4/ 0.-<> @ -=5 BC. =-.A= 4A >EB BC. <GG H<B =4 = BC. 5.B< / / . .HB.0 4 /E>/B<4B < @ BC. /<5. 5<44.- C.4 .< &A= 0 <40 / K.- 4 .< C<K* B= >. <GG .0 BC.@ <-. < 0 EG=4 BC. K<-4 /C.0 /E- <H. J -.G<-.0 B= -.H. K. BC.5 <40 0.< B ; BC 4 BC. E/E< 5<44.- BC. K<-4 /C <HB 4A </ < Q / ?. R =- BC. 5.B< .< C.4 5=BC.-&= &G.<- C</ B= >. .5G =@.0 </ <4 4H-E/B<B =4 =- <HME.- B / < 0 =4 0E- 4A BC. K<-4 /C 4A G-=H.// / .<- .- B >. BC HL BC<4 B >. BC 4 <40 BC. 4< G= /C 4A / G-=H..0.0 ; BC E4B BC. G.<- / >-=EACB B= BC. /E- <H. C. G-=0EHB =4 = <-B H ./ 4 H</B 5.B< L. BC<B = <-B H ./ 4 <HME.- >.A<4 /=.<- @ 4 <G<4 BC<B < B-<H. = B/ =- A 4 / =/B / <- ><HL </ BC. 5 00 . = BC. /.K.4BC H.4BE-@ = =E-.-< BC. 0 /H=K.-@ = <4B ME. H=GG.- C. / >.4.<BC BC. A-=E40 H=5 5.4H.0 D ; C . .K. 4A BC. / B. = BC. B.5G . = =& ELE&J 4 5 F <40 C</ H=4B 4E.0 <B 4B.-K< / 0= ; 4 B= -.H.4B B 5./V B ; </ C</B @ H=4/ 0.-.0 BC<B BC./ ; .-. -. H/ = <4H .4B E00C /B B.5G ./ CEB E00C /5 C<0 >EB /= -.H.4B @ 5<0. B/ ; <@ 4B= <G<4 ; C.4 BC. C. <>=K.&4<5.0 ; </ 0 /H=K.-.0 BC<B BC. B-E. .NG <4<B =4 = BC. .N /B.4H. = BC./. >E- .0 H</B 4A/ C</ @.B B= >. /=EACB B / H.-B< 4 C= ; .K.- BC<B BC./. >. / <40 < =BC.- H</B <-B H ./ G K.-@ .<- @ G.- =0/ H=4B< 4 4A H=GG.- ; .-. . BC.- BC. G-=0EHB =4/ = =BC.- H=E4B- ./ =- ; .-. G-=0EH.0 -=5 5G=-B.0 5.B< / =- 4<B K. H=GG.- ;</ 4=B 0 /H=K.-.0 4 <G<4 E4B BC. . ACBC H.4BE-@ = =E-.-< 4 K . ; = BC / <HB B / C AC @ G-=><> . BC<B BC. <-B = H</B 4A 4 >-=4?. </ ; . </ H</B <-B H ./ ; </ 4B-=0EH.0 4B= <G<4 -=5 #=-.< =- C 4< EB Q BC. <G<4./.

$' 0' ' ' . ' ' - ' . 0 P,

C<K.' >=--= ; .0' -=5' BC.' C 4./.' 4' >-=4?.&H</B 4A'" = ' ; C HC' BC.-.' /' 4=' G-== "R' > E4B @' /<@/' -' #EBC.- =-0' H=HL' 4' BC.' ; =-L' < -.<0@' ME=B.0' 4' BC /' HC<GB.-'" Q' BC.@' /..5' B=' C<K.' 4=BC 4A' B=' .<-4' -=5' E/' C.@' 4=B' =4 @' A K.' < ' BC.' 0. H<B.' 5=E 0 4A' = ' BC.' =BE/& .< '">@' /=5.' G-=H.//' E4L4= ; 4'" >EB' G-=0EH.' -. . ' =-4<5 .4B<B =4' >@' HEBB 4A' BC.' /E--=E40I 4A' 5 .B<' < ; <@'" </' -' E0/ .@' C</' - ACB @' G= 4B.0' =EB' EHC' -. .K.0' ; =-L' BC.@' E-BC.-' .4- HC' ; BC' BC.' >E- 4' =-' 0<5</H.4.' ; BC' A= 0' <40' / K.-' ' ' ' C.@' <-.' 5EHC' 4' BC.' C<> B' = ' A-<K 4A' 0 <G.-' <40' =BC.-' G<BB.-4/' =4' >-=4?./' <40' 4A' BC.5' EG' ; BC' / K.-' ; -.'" ; BC' ; C HC' BC.@' H=K.-' <-A.' /E- <H./' 4' /< K.-/' =-' K</./' ; BC' A==0' . .HB'" <40' K.-@' =- A 4<' 0./ A4/' =4' G<BB.-4/ R

C.' <G<4./.' 5 .BC=0' = ' G-=0EH 4A' >-=4?.' <-B H ./' /' B=' H=55.4H.' >@' 5=0. 4A' 4' ; <N' D5 N.0' ; BC' -./ 4'" .BH F' BC.' =>J.HB' B=' >.' G-=0EH.0'" <40' BC.4' 5=/B' H<-. E @' B=' H=K.-' BC.' ; <N' 5=0.' ; BC' H <@' =-' # ' @' /E>5 BB 4A' BC.' ; C= .' B=' BC.' <HB =4' = ' C.<B' BC.' ; <N' /' 5 . B.0' -=5' BC.' 4B.- =-' = ' BC.' H <@'" <40' <' 5=E 0' /' BCE/' . B'" 4B=' ; C HC' BC.' 5= B.4' >-=4?.' /' G=E-.0 ' C.' G-=H.//' /..5/' / 5G .' .4=EAC' ; C.4' BCE/' 0./H- >.0' (>EB' B' /' = B.4' ; =-L.0' =EB' ; BC' /EHC' 5<-K. =E/' /L ' <40' . <>=-<B =4' </' B=' .NH B.' >=BC' ; =40.-' <40' <05 -<B =4' ; C.4' BC.' 4 /C.0' -./E B' /' >.C. 0' 4' =-5 4A' BC.' 5=0. '" BC.' ; <N' /' E/.0' HC . @' =-' BC.' 5=-.' 0. H<B.' G<-B/'" > =HL/' = ' ; ==0' >. 4A' .5G =@.0' =-' BC.' 5=-.' /= 0' G<-B/' <-.' /' B<L.4'" = ' H=E-/.'" B=' /=' =-5' <40' G-=I G=-B =4' BC./.' > =HL/' BC<B' BC.@' H<4' >.' ; BC0-< ; 4' -=5' BC.' 5=E 0' >. =-.' BC.' H</B 4A' B<L./' G <H.' 4' =-5 4A' BC.' 5=E 0' <-=E40' BC.' 5=0.' = ' ; ==0' <40' ; <N'" <' /EHH.// =4' = ' ME 0' =-' /.5 & ME 0' <-A <H.=E/' H=<B 4A/' <-.' < 0' =4' ; BC' <' >-E/C'" BC.' ME<4B B@' = ' /<40' >. 4A' 4H-.</.0' 4' BC.' /EHH.// K.' H=<B 4A/'" <40' .<HC' H=<B 4A' 0- .0' B=' -.H. K.' BC.' 4.NB' C.4' BC.' 0. H<B.' 5=0.' C</' BCE/' >..4' /E>/B<4B < @' G-=B.HB.0'" <40' C<0' B/' 4.-' 4B.-/B H./' .0' 4'" BC.' ; C= .' /' H=K.-.0' 4' ; BC' 0-@' /<40'" ; C HC' /' G-.//.0' 4B=' BC.' H<K B ./' <40' 0.G-.// =4/'" <40' =-5.0' 4B=' <' -=EAC' .NB.- =-' /E B<> .' =-' BC.' E-BC.-' =G.-<B =4/' C.' 5=E 0' /' BC.4' G <H.0' 4' BC.' E-4<H.'" ; C HC' /' = ' <' /E H .4B' C.<B' B=' 5= B' BC.' ; <N"

; C H ' /' <-A. @' <>/=->.0' >@' BC.' /<40'" <40' H=4K.-B.0' 4B=' ./H<G 4A' A</' <-.' C</' B=' >.' .N.-H /.0' >. =-.' BC.' G=E- 4A' 4' = ' BC.' >-=4?."" B=' >- 4A' BC.' 5=E 0' B=' <' G-=G.-' B.5G.-<I BE-."" 4' =-0.-' B=' /.HE-.' <' -.. ' =;' = ' BC.' 5.B< '" E4HC .0'" BC-=EAC=EB' BC.' 4.-' G<-B/' = ' BC.' 5=E 0

C.' E-=G.<4' 5=0.' = ' H</B 4A' =-4<5.4B< ' =>J.HB/'" /EHC' </' > -0/'" = ; .-/'" .BH '" 4' K.-@' C AC' -. . ' </' 0.H=-<B =4' = ' <-A.-' >-=4?.' =>J.HB/'" /' B=' .5G =@' Q G .H.' 5=E 0/R' G-=' 0EH.0' 4' BC.' = = ; 4A' 5<44.-' B.-' 5=E 0 4A' BC.' G<BB.-4' 4' ; <N' =-' H <@'" <40' B<L 4A' <' G </B.-' H</B' -=5' B'" @=E' -=5' BC /' <A< 4' B<L.' <' H</B' 4' <4' < =@' = ' B 4' <40' .<0 ' C /' /' BC.4' /C<-G @' HC</.0' <40' 0 K 0.0' 4B=' <' 4E5>.-' = ' G .H./'" <40' /' BC.4' E/.0' </' BC.' G<BB.-4' -=5' ; C HC' BC.' >-=4?.' =-' =BC.-' <-B H .' G-=0EH.0' /' 5=E 0.0 ' C.' G-=H.//' /'" = ' H=E-/."" <4' .NG.4/ K.' =4.'" <40' B' /' 4=B' -./=-B.0' B=' >@' BC.' <G<4./.' C.@' 4.K.-' .5G =@' G .H.&5=E 0/'" <40' @.B' /EHC' /' BC. -' /L ' BC<B' BC.@' G-=0EH.' H=5G .N' = ; .-& =-5/' </' G.- .HB' </' / 5G .-' H</B 4A/'" <40' 5=-.' G.- .HB' BC<4' ; .' .K.-'" </' <' 5<BB.-' = ' <HB'" 0=' G-=0EH.' >@' < 0' = ' =E-' G .H.&5=E 0/' B' = = ; /' -=5' BC. -' G <4' BC<B' ; C.-.</' ; BC' BC.' G .H.& 5=E 0' /@/B.5' < /EHH.// =4' = ' <-B H ./' H<4' >.' G-=0EH.0' -=5' BC.' /<5.' 5=E 0'" BC.' <G<4./.' -.ME -.' B=' -.5=0. ' .K.-@' <-B H . ' /' ! -' ! -.//.-' /<@/' 1 Q' ' < BC=E/<40' <-B H ./' C<0' B=' >.' H</B'" .<HC' ; BC' < = ; .-' 4' -. . ' =4' BC.' / 0.'" <40' ' .<HC' K</.' ; </' B=' >.' = ' G-.H /. @' BC.' /<5.' G<BB.-4'" < /.G<-<B.' 5=0. ' ; =E 0' @.B' C.' G-.G<-.0' =-' BC.' H</B 4A' = ' .<HC'" <40' BC.' /<5.' <>=E-' ; =E 0' >.' .NG.40.0' 4' G-=0EH 4A' .K.-@' =4.' BC<B' ; </' .NG.40.0' =4' BC.' G-=0EHB =4' = ' BC.' -/B R

C.' 0.<' = ' G-=0EH 4A' < BC=E/<40' =-4<5.4B< ' <-B H ./' G-.H /. @' < L.' /' .4B -. @' =-. A4' B=' BC.' <G<4./. ' ' C<K.' 4.K.-' @.B' /..4' < G< -' = ' >-=4?./' < L.' 4' < ' -./G.HB/'" <40' =4.' = ' BC.' A-.<B' HC<-5/' = ' BC. -' G-=0EHB =4/' ./' 4' BC.' H.-B< 4B@' BC<B' .<HC' /' < /.G<-<B.' <40' 5=-.' =-' .//' 4I 0.G.40.4B' ; =-L' = ' <-B ' C<B' BC.@' G-=0EH.' <-B H ./' 4' G< -/' /' L4= ; 4' B=' .K.-@>=0@'" >EB' ; C .' BC.-.' <-.' A.4.-< ' -./.5> <4H./' >.B ; ..4' BC.' B ; =' <-B H ./' H=5G=/ 4A' BC.' G< -'" BC.-.' <-.' < /=' 5<-L.0' 0 .-.4H./' >.B ; ..4' BC.5 ' ' C<K.'" =-' .N<5G .'" < /G .40 0' G< -' = ' >-=4?.' K</./' D5.</E- 4A' 2)

$ 0 1 . 0 P

4HC./ C AC <40 S 4HC./ <H-=//F ; C HC -.G-./.4B 4 5@ JE0A5.4B BC. 5=/B G.- .HB ; =-L 4= ; .N.HEB.0 4 <G<4 9 C.@ <-. < G< - 4 =-5 <40 A.4.-< .<BE-./ BC. H=4I K.4B =4< G.<H=HL/ ; C HC =-5 >-<HL.B&C<40 ./ <40 BC. H=4K.4B =4< 4<5. .// H-.<BE-./ ; C HC /E--=E40 BC. ><//. >. 4A < /= < L. 4 >=BC C. A.4.-< 0 /G=/ B =4 = BC. =-4<5.4B< ; =-L EG=4 BC.5 / L. ; /. BC. /<5. 4 >=BC EB >.@=40 BC / BC. -./.5><4H./ = BC. B ; = K</./ 0= 4=B A= =- .K.-@ 0.B< = BC. =; .-/ > -0/ <4/ <40 =BC.- 0.H=-<B K. =-4<5.4B/ / 0 .-.4B(; C.-. BC. /<5. =; .- / -.G.<B.0 B / G-./.4B.0 4 <4=BC.- =-5 ; BC < 0 .-.4B <--<4A.5.4B = /B< L .<K./ <40 >E0/ C. 5< 4 =-4<5.4B =4 =4. / 0. = .<HC K</. / < AE-. A-=EG >EB BC. AE-./ <-. 0 . &.4B <40 0 .-.4B @ 0 /G=/.0 ! BC<B = BC. =BC.- / 0. / < A-=EG = = ; .-/ /G-<@/ <40 > -0/ >EB BC. A-=EG 4A = BC. B ; = >.<- BB . -./.5><4H. C./ K</./ E-4 /C < /B- L 4A .N<5G . = BC. /EHH.// ; BC ; C HC BC. <G<4./.<-B /B H=4B- K./ B= H=K.- < K.-@ <-A. G=-B =4 = BC. =>J.HB ; BC 0.H=-<B =4 <40 @.B B= <K= 0 <4@ /EHC H-= ; 0 4A = =>J.HB/ </ B= /EAA./B .NH.// C.@ < /= E-4 /C <4 .ME< @ /B- L 4A .N<5G . = BC. K<- .B@ = <-B /B H 4B.-./B A K.4 >@ BC.5 B= 40 K 0E< =>J.HB/ C.@ <-. <0=-4.0 ; BC =>J.HB/ 4 -. . =BC.-/ 4 4B<A = <40 =BC.-/ 4 G < 4 4/.-B =4 %<- =E/ G-.H =E/ 5.B< / <-. .5G =@.0 4 < = BC./. ; <@/ A= 0 >. 4A 5=/B H=5 5=4 @ E/.0 4 + C.-. <-. =-B@& K. AE-./ 4 A= 0 4 < / 4A . A-=EG = > -0/ <40 =; .-/ .NH E/ K. = 5<4@ /H<BB.-.0 > =//=5&/G.HL 4A/ 4 BC. /<5. 5.B< EB B / E44.H.//<-@ B= 0 ; . EG=4 BC. >.<EB@ = BC. <G<4./. >-=4?./ =- B C</ >..4 -.. @ -.H=A4 /.0 >@ < ; C= C<K. /BE0 .0 BC. /E>J.HB

C. 5.BC=0 = G-=0EH 4A H= =E-.0 G HBE-./ 4 5.B< / L4= ; 4 </ 2) C</ >..4 JE/B @ G-=4=E4H.0 >@ - E0/ .@B </ G.-C<G/ BC. 5=/B HC<-<HB.- /B H = & < BC.

M 0*7 +* * . *'*/(*2 (3 * =7 &+- +0 10 0-2 (0* 0 / % ((0* 3.* -;)* /3*/(/(8*/ & 2*' ;/ -/2 '%.* /(*/2 & 0 3 (: * '-('&-1(/' +: 1: 0 '' 3-5*'(7 (/* &(0* -%(0 '' &W<* - /- 1 (0* *3.* +-'' .:*-'*2 (*>. *'' %2':17] + (0 (0* (0 ** - 3 % 6.:-(*2)*''*:' 9 +*'' & :

S

5.B< E-A H< ; =-L/ = <G<4 Q 4 BC /"R C. /<@/ Q 4E5.-=E/ 5.B< / <40 < =@/ <-. </!=H <B.0 BC. 0./ A4/ >. 4A G-=0EH.0 4 H= =E-/ BC-=EAC BC. <A.4H@ = BC. K<- =E/ H= =E-.0 5.B< /(; C B. >. 4A -.G-./.4B.0 >@ / K.- @. = ; >@ A= 0 > <HL >@ G <B 4< < /C<0./ = 0E -.0 >@ H=GG.- <40 B/ < =@/ >-= ; 4 >@ >-=4?. <40 > E. >@ /B..) = 0 / K.- <40 G= /C.0 /B.. = H=E-/. -.G-./.4B BC.5I /. K./ 4 0./ A4 </ ; . </<>/B-<HB H= =E-/ -.0 A<-5.4B .5>-= 0.-.0 ; BC A= 0 <40 H </G.0 ; BC / K.- ; =E 0 >. .N.HEB.0 4 -.0&H= =E-.0 H=GG.- 4 < 0 ; BC A= 0 <40 E-4 /C.0 ; BC < / K.- >-==HC C./ ; =-0 4 BC. C<40 = BC. ; <-- =- ; =E 0 >. E4G= /C.0 /B.. <40 > ==0@""; =E 0 C<K. -.0 H=GG.- < 0 4 B C<K./..4 5<4@ >.<EB E /G.H 5.4/ = 2) <40 H<4 >.<- ; B4.//B= BC. - <E B .// .N.HEB =4 R 3 * ; =-L - EBC.- =-0 H=HL /<@/ B Q /< 0 B= >. L4= ; 4 <40 G-<HB /.0 >@ BC.5 >EB H<44=B /<@ C<K. .K.- /..4 <4@ H .<- @ 5<-L.0 /G.H 5.4 R EB B / < <HB BC<B BC / H </ = 5.B< ; =-L / G-=0EH.0 4 <G<4 </ H<4 /B<B. -=5 =>/.-K<B =4 BC.-. B /=5.B 5./ G-=0EH.0 >@ >.<B 4A BC. 5.B< 4B= < /B.. 5=E 0 /E4L <40 .4A-<K.0 =- BC. GE-G=/. (<B =BC.- B 5./ B / G-=0EH.0 >@ / 5G @ C<5 5.- 4A ; BC =- ; BC=EB < 5<40- C. <-B /B/ /=5.B 5./ 5<L. < G= 4B = GEBB 4A 4= =-4<5.4B BC<B ; =E 0 => B.-<B. BC. B-<H./ = BC. C<5 5.- 4A C / >-<4HC = 5.B< ; =-L C= ; .K.- / 5EHC .// H=5 5=4 4 <G<4 BC<4 BC<B = H</B 4A X9

. =-. H=4H E0 4A BC./. -.5<-L/ =4 >-=4?./ =EACB B= 4=B. BC<B >@ <4 <HB = H=E-B./@ =4 BC. G<-B = BC. A=K.-4=- = =L = ; . ; .-. G- K .A.0 B= /..<40 B= /BE0@ -.G.<B.0 @ <40 . /E-. @ ; C<B < BC. <G<4./. ; C= /< ; B G-=4=E4H.0 BC. K.-@ 4./B /G.H 5.4 = >-=4?.&H</B 4A BC<B C<0 .K.- >..4 .N.HEB.0 4 <G<4 C / /G .40 0 /G.H 5.4 = BC. 4<B =4< <-B : < 5<43/ AE-. .4A<A.0 ; BC < 0-<A=4 : ; </ /.4B B= 05 -< # < ; <5E-<3/ C=E/. >@ BC. A=K.-4=- /==4 < B.- =E- <-- K< <40 ; </ < = ; .0 B= -.5< 4 BC.-. BC-=EAC=EB =E- K / B .. ME B. 4H<G<> . = GEBB 4A 4B= ; =-0/ <4@ /EHC 0./H- GB =4 = (' </ ; =E 0 H=4K.@ B= BC. *-2* .K.4 <4 -.. > 3-(* 2*- * (0* = (' =*-%(7

L4= ; 4 BC<B >==L/ ; .-. < -.<0@ 4 .N /B.4H. 4 BC. @.<-
! BC-. . 0./H- GB =4/ = G<G.- ; .-.G-=0EH.O 4 <G<4 1
6 5<0. -=5 C.5G.4 -<A GE G (2 7 5<0. -=5
/EHC G <4B/ </ # $ 8 $! P 9 * 5<0. -=5 : ; * 3 32 ; C HC ; </ L.
BC. G<G.- 4= ; 4 H=5 5=4 E/. 4 BC. H=E4B-@
NH.GB 4A G<G.- 5<0. -=5 -<A/ =- BC. G-=0EHB =4 = ; C HC <-A. E-=G.<4 <HB=- ./ C<K. >..4 .-.HB.O <B A <G<4./.G<G.- /G-=0EH.O -=5 </5< 4E5>.- = 5<B.- < / BC. HC . = ; C HC C<K. JE/B >..4 4<5.0 C. -/B 4 5G=-B<4H. = BC./. / : BC. G <4B 4<5.O </B 4 BC. G-.H.0 4A G<-<A-<GC B /BC. =E-BC =-0.- = BC. B ; .4B@& -/B H <// = BC. 44<.<4 /@/B.5 <40 / < /5< /C-E> -.<HC 4A B= <>=EB / N ..B 4 C. ACB ; BC >-<4HC./ /G- 4A 4A 0 -.HB @ -=5 BC. .<-BC <40 A-= ; / 4 4.<- @ < BC. G-=K 4H./ = <G<4 B / < 0.H 0E=E/ G <4B C.<- 4A B/ 4. ; 0<-L& A-..4 .<K./ 4 /G- 4AB 5 C. .<K./ <-. Q =K<B. 4 =-5 ; BC < / 4E=E/ =- /.--<B.O 5<-A 4 <40 K.-@ -=EAC EG=4 BC. EGG.- /E- <H. R C.-. <-. B ; = L 40/ = BC / /C-E> G /& B .-=E/ <40 /B<5 4 .-=E/ 9 C.@ <-. G-=G<A<B.O . BC.- >@ <@.- 4A $ # =- >@ -==B&/ GG 4A C. 5=0. = B-.<B 4A BC. 5 =- G<G.-&5<L 4A GE-G=/./ / </ = = ; / 1 C.@ <-.- HEB 4B= P& ..B .4ABC/ <40 /B.<5.O 4 < <-A. >= .- H=4B< 4 4A < BB .> >= 4A ; <B.- C. ><-L / BC.4 G.. .O = /B..G.O 4 ; <B.- <40 C</ BC. 0<-L =EB.- - 40 =- G. H ./H-<G.O = ;V HC < L4 . BC. /H-<G 4A/ >. 4A E/.O =- G-=0EH 4A 4 .- =- G<G.- C. ><-L BCE/ /H-<G.O <40 H .<4/.O / 4.NB H<-. E @ ; </C.O 4 -E44 4A ; <B.- <40 BC.4 .NG=/.O B= BC. /E4 E4B > .<HC.O /E H .4B @ ; C B. B.- BC / B / >= .O 4 < @. =-5.O ; BC >EHL ; C.<B </C B= -.5=K. AE5 5@ <40 -./ 4=E/ /E>/B<4H./ -=5 B

M G 0* '(-3 &* L %' =: '' 3 -= %((0* 3 22:* & 7 (0* /&: C *'1*/1* '-> ::- 7 -/2 '%.. (*2 / -/ .*2%/1:* & -: ((:* 3 * (0-/ -/ /10 /':*/ ; (0 (0*1 ::-' 3 / .*6 (-: % 2) 2*2 / (& % ': =*' -((0 : 3= -/2 ' & -2- 8 .% .:* 1 : % 0*'*=: '' 3 ' - 1 (*: -/2 %' 0

/&: *'1*/1* &(: * @ '(:: &* %' .:-/(' -:' ' '%.. (*2 / -. 2%%1: -/2 1 / ' '(' & - /%3=* & &: +* ' - C -/ ;*2 (;*(0* ' / -' 0*-2 & 3 *-1: =: '' 3 - : /; . '(: . 5*1('(0* 1 : % ' ' 2- 8 .% .:* H 8-6 8 =- - ' / >0 = (/ , - .-%6 ?' ' 2%1-(/ & ?

C.' >-./' <-.' BC.4' -.<0 @' /.G<-<B.0' B.-' HEBB 4A' =EB' L4=B/' =' .NH.// K.' C<-04.//"' BC.' ;=-L5<4' 4=;' >.<B/' BC.' >-.' 4B=' <' GE G' ; BC' ;==0.4' 5< .B/' EG=4' > =HL/' =' /B=4.' C /' GE G' /' 5 N.0' 4' BE>/' =-' K<B/' ; BC' BC.' 4..0 E' ME<4B B@' =' ; <B.-"' B=' ; C HC' /' <00.0' <' 5 L@' /E>/B<4H.' G-.G<-.0' ; BC' - H.' =E-' <40' <' AE55@' 0.H=HB =4' -=5' BC.' ><-L' =' BC.' 4 ' < ' 72) # '2 * "=>' =-' -=5' BC.' -==B' =' BC.' 1' C.4' BC.' /B..G 4A' 4' BC /' 5 NBE-.' C</' G-=H..0.0' /E H .4B @' =4A"' BC.' GE G' /' /G-.<0' =EB' 4B=' /C..B/' >@' 5.<4/' =' 4.'/ .K./'=' ><5>==' <40'/ L' B.-' 0-< 4 4A"' BC.' /C..B/' <-.' B-<4/ .--.0' >@' 5.<4/' =' >-E/C./' B=' 0-@ 4A&>=<-0/

5 <-' G-=H.//./' <-.' .5G =@.0' =-' G-=0EH 4A' G<G.-' -=5' # $3 ' C /' G <4B' 8 $ ' ' /' BC.' =E-BC' =-0.-' =' BC.' . ACBC' H <//' =' 44<.E/"' <40' /' <' /5< ' /C-E>' A-= ; 4A' /=5.B 5./' B.4' ..B' 4' C. ACB"' ; BC' .<K./' <--<4A.0' < B.-4<B. @' =4' BC.' /B.5"' BC.' E40.-' /E- <H.' =' .<HC' .< '>. 4A' H=K.-.0' ; BC' /= B' C< -' B/' > =//=5/"' H=5 4A' <>=EB' BC.' 5 00.' =' E4."' <-.' =' <' G< .'@. =;' H= =E-' C.' =;.-/' <-.' =HB<40-=E/"' ; BC' =4.' G /B ' C.' G<G.-' 5<0.' -=5' BC /' /C-E>' /' K.-@' 4.' <40' /EGG ."' <40' /' BC.-. =-.' K.-@' /E B<> .' =-' B<L 4A' B-<4/ .-' H=G ./' B' C</' < /=' BC.' <0K<4B<A.' = ' 4=B' >.H=5 4A' ;=-5&.<B.4' $<G.-' /' < /=' 5<0.' -=5' BC.' $ *' $ ' G <4B' ?)# + ' 3 32 ' BC.' -/B' =-0.-' =' BC.' . ACBC' H <//"' <' 0.H 0E=E/' /C-E>' A-=; 4A' B=' /.K.4' =-' . ACB' ..B' 4' C. ACB' B' BC.' H =/.' =' <EBE54' 5<4@' >E0/' /G- 4A' =4' BC.' .40/' =' BC.' >-<4HC./' <40' <--<4A.' BC.5/. K./' 4' < H E/B.-"' Q' C<4A 4A' 0=;4' L.' <' ; 0' >..3' 4./B"R' <40' > =//=5I 4A' ;C.4' BC.' /G- 4A' H=5./' -=E40' C.' >-<4HC./' <-.' /=

M G' ' . 5, #' 0*' '*)*/(0' 2*' &' (0*' ' >(* %(0' 1:-'' &' 3- %'') ;*/%'' &' = ' &' ' #-/2 ::*' 0 '' '' //'0* =-1* %'' .:-/(' (0*' '**2'' &'+0 10'- *' ' +/' /'' . /;' (';+'' (' (0*' 0* ;0(& /*' ' (+' &**(' -/2' '' &' -' 0- 7' /-(% *' 0*' :*-)*'' - *' .-:3-(*' 0-) /;' &)*' ' '*)*/' : =*'' -/2' - *' - -/;*2' -:(* C /-(*:7' /' (0*' '(*3' % /;' (0*' 0 ('*-' /' &: +* '' '. /;' & 3' (0*' */2' -/2' -> :'' &' (0*' = -/10*'' 0*' 1 ::-' :% '' &)*' .*(-:'' -/2' '' 3 *' (0-/' (+' /10*'' /'2 -3*(* N' (' '' &' -' .-:*67*:: +'1 : % '+ (0' -'2- 86.% C .:*' =: (10' -(' (0*' = ((3' &'*-10' .*(-:' -/2' '' *.0*3* -:' 0*'*' : +*L'' - *' 3 / 2 :.0 %''-/2' . :7-/2 %'' 0*' . 2' ''&)*61*::*2''*-10' 1*::'1 /(- / /;' 3-/7' '**2'' 0*' (' ''1 / 1 2'-/2' %= %%2-' + (0') '1 %'' 5% 1* H ,:^ ' >

G <4B BC<B BC.@ ; 4=B >-.<L ; C.4 L4=BB.0 9 C. H=-= < = BC. =; .- /; C B.=EB/ 0.<40@. =; 4/ 0. C. .<K./ <GG.<- < B.- BC. =//=5 C</ < .4

C. A 5 / H=5G- /.=4. ; C HC >. =4A/ B= < H=5G<4@ <40 ; C HC / BB.0 EG BC-=EAC=EB ; BC 4A /C 5<HC 4.-@ -/B =- G-.G<- 4A BC. 5<B.- < />@ /=-B 4A HEBB 4A 0E/B 4A >= 4A ; </C 4A > .<HC 4A >.<B 4A <40 H= =E- 4A(<40 /.H=40 @ =- H=4K.-B 4A BC. G-.G<-.0 5<B.- < 4B= 4 /C.0 /C..B/ = G<G.- >@ BC. G-=H.//./ = /B-< 4 4A L4=BB 4A DBC. /.G<-<B =4 = L4=B/ 5GE- B ./ =- = 5<BB.0 >-. ; C HC C</ =-5.0 4B= /B- 4A/ =- / 4/E H .4B @ A-=E40F 5<L 4A G-.// 4A 0-@ 4A A <? 4A HEBB 4A /=-B 4A G= /C 4A <40 G<HL 4A C. 5<HC 4.-@ ; </ /EGG .0 >@ .//-/ </B=4 <40 40.-/=4 = =40=4 <40 - BC <40 / <5=4A BC. >./B BC<B H<4 >. G-=0EH.0 .5>=0@ 4A 4.<- @ .K.-@ 5=0.-4 5I G-=K.5.4B C / 5<HC 4.-@ ; </ =-0.-.0 4 EAE/B ,P <40 ; </ /C GG.0 B= <G<4 4 E4. ,S(>@ EAE/B , B ; </ <B ; =-L C<K 4A >..4 .-.HB.0 <40 BB.0 E40.- < /L .0 E-=G.<4 =K.-/..- >EB .4B -. @ >@ BC. <>=E- = <G<4./. <-B /<4/ C. 4A /C = H.- - -<4L C../.5<4 ; C= /EG.- 4B.40.0 BC. ; =-L <B A C</ /B<B.0 BC<B C. ; </ <K=E-<> @ 5G-.//.0 >@ BC. 4B. A.4H. <40 /L = BC. <G<4./. ; =-L5.4 <40 >@ BC. C AC HC<-<HB.- = BC. 4<B K. A.4B .5.4 ; C= =; 4 BC. 5 C. 5 / H<G<> . = G-=I 0EH 4A -=5 B..4 B= B ; .4B@ B=4/ = G<G.- G.- ; ..L

C. E/./ B= ; C HC G<G.- / GB-B 4 <G<4 <-. < 5=/B </ 4E5.-=E/ </ BC=/. B= ; C HC ><5>== / <GG .0 4 BC<B <40 =BC.- .</B.-4 H=E4B- ./ <40 BC=/. ; C=C<K. B-<K. .0 4 /EHC H=E4B- ./ L4= ; C= ; K.-@ 0K.-/ .0 <-. BC. E/./ = BC<B 4K< E<> . G <4B ./0./ B/ <GG H<B =4 B= < BC. H=55=4 GE-G=/./ ; BC ; C HC ; . <-. <5 <- <B C=5. G<G.- / .5G =@.0 4 <G<4 4 G <H. = A </ 4 BC. / 0 4A ; < / = BC. C=E/./ =- G=HL.B&C<40L.-HC . / 4<GL 4/ 4 .E = /B- 4A .BH <40 C<K. >-=EACB B= 4A <40 ; BC 5. B<> .I H =BC/ 5<0. = G<G.- <40 .K.4 ; < /BHG<B/ <40 =BC.- /EHC

M G ('' '(*3 -/2 = -/10*'' - * (6 & % ' ':*/2* . .*(-:' ' ' ' 0* &: +* 10 (3 ' ' ' ' : *&: +* '' - * : 8* '' * /*- 2 %' ' -/2 0-'' /* . '(: H (0 '* &(02 $ # '' 0-) /; '

<-B H ./ = ; .<- 4A <GG<-. ' <5 0 /G=/.0 B= >. .K. BC<B ; C.4 BC. <G<4./. B<> .&H =BC/ <40 4<GL 4/ >.H=5. ; . L4= ; 4 4 BC / H=E4B-@ BC.@ ; H=5. 4B= K.-@ <-A.0.5<40 40 BC. /<5. <GG.<-/ B= 5. B= >. C AC @ G-=><> . ; BC -.A<-0 B= /B<B =4.-@ <40 5=-. G<-B HE <- @ B= .4K. =G./ ; C HC < BC=EAC ; C= @ =-5.0 = G<G.- <-. 5EHC /EG.- =- 4 /B-.4ABC <40 B=EAC4.// B= 5<4@ = BC. 4.4& 4.0 .4K. =G./ .5G =@.0 >@ E/ =- >E/ 4.// GE-G=/./ C. .<BC.-& L. ; < &G<G.-/ = <G<4 <-. .NH..0 4A @ >.<EB E <40 K.-@ HC.<G C.-. C</ 4.K.-BC. .// /G-E4A EG 4 <G<4 / 4H. BC. E-=G.<4 4K</ =4 < H=4/ 0.-<> . 0.5<40 =- /=5. 0./H- GB =4/ = G<G.- ; C HC ; . E/." >EB ; C HC ; .-. G-.K =E/ @ E4L4= ; 4 BC.-. <40 ' <5 4 =-5.0 BC<B BC.-. <-. K. <HI B=- ./ 4= ; 4 =L =.4A<A.0 4 5<4E <HBE- 4A G<G.- B= 5..B BC / ; <4B

C. <4AE<A. <40 B.-<BE-. BC. <-B/ = 0-< ; 4A <40 G< 4B 4A BC. H= .A./ <40 /HC== / BC. GE> H /.-K H./ BC. 5E/.E5/ <40 =BC.- 4/B BEB =4/ = BC. H=E4B-@ <40 = BC. H<G B< L. ; /. .4A<A.0 5=-. =- .// = =E- <BB.4B =4 0E- 4A =E- -/B 5=4BC 4 <G<4 (>EB BC. -./E B/ = =E- =>/.-K<B =4/ 5E/B >. -./.-K.0 =- <B.- HC<GB.-/ </ BC / / < -.<0@ = E4E/E< .4ABC ; =4 @ <00 BC. = = ; 4A 4=B./ =4 BC. Q E R = =L = ; C HC < C AC = H < ; </ /= => A 4A </ B= E-4 /C 4 -./G=4/. B= < -.ME./B ; C HC 5<0. B= C 5

G 0* 8 4%6#0 '* -/ && 1* &(0* : 1-:;)* /3*/(0-) /;& ('3-/-;*3*/(0* . (*1(/* &(0* .* '/ -/2. .* (7/ /* 8 (0* 1-. (-:* &(0* +0 :* *3. *-/2 '(0%' -_= -/10 &(0* 1*/(-:;)* /3*/(* 0* *>(*/(* &('5% '2 1(/* ' , D , 3 :*'@ & 3 *-'((+*'(-/2(0* '-3* & 3 / (0(' %(0 ? ('3 ('- * *+ /*)* /(0* *-'(-/-' . '(-:'(-(/* /(0* +*'(5%;)* /(0* ' %(0 -/2 -*)* /(0* / (0N (0* & '(=* /;(0* = %/2- 7 =*(+**/(0* .) /1*' &* %'-'0 -/2 : / &%'-/-2(0* (0 **:-'(=* /;* /(0* .) /1* &* %'-'0:@ ('= %/2- 7: /* ' ! : /;* ? !L"3 :*'@N %/2* (' 5%L '2 1(/* - * +0-(- * 1-::*2(0* '*)*/ ':*' &* 2'% =%(-' (0*7 - * +0 ::7'*.- -(*2 & 3 (0* :-/2 (0*7 - * / +' 3 ((*2 0* * -/2 (0* +0 :* 4%' ' 2) 2*2 /(' ' ?& 3* :7 1-::*2 4%' $.* @ -/2 $ = ' ' ?& 3* :7 1-::*2 4%' >(* @

G 0* ' - * (0* & :: + /; < 5 3-10 ' <-/-2- 0 /=-'0 ' < = '0 ' 0 =- ' '1-=% 8-'-(- ('%7- '0 ; 3?" ' : /;

< '0 8-+-' : (-7-' '-8/'-' /5 ' -/2' 4 8-;-+-' : ' 2 '(1(' /1:%2*2'%/2* '(0*'*'/-3*'+-'' /'(0*'2-7'' &'(: *' 8%;-+-' 0 ;%/-(*' 1-::*2' *2 ' -/2' +-'' %/2* ' (0*' 5% '2 1(/' &'(0*'/ (0' -/2' ' %(0' 7 '' ' & 1*' ' &(* ' (0*' *) :%(/' &' J ' ('' /-3*' +-'' 10-/;*2' /(' 8

G' (' /:7' '' (' -';*-(' 3*(. : ' '=%(' (' '' -' '*-(' &'(0*' 3.* -:' .-:-1*' &'(0*'10 *&'. '('' &'(0*' - 37' -/2' /-)7' &'(0*')- %'' $' -/2' '^ 'N (0*' ' % 1*' &' -::' :-+'' -/2' /'((%(/' ' -/2' .:-1*' &'(0*' & * ;/' :*;-(/'N' +0* *' (0*' (-2* '' -/2' - ('-/'' 1 +2' & 3' -::' B%- (* '' &'(:3'*3. *'+0* *'(0*'8*7' &'(0*'& * ;/'1 3 3* 1*' ''8*.(N /-7' (' '' (0*' 1*/(*' &' -::' =%' /*'' ' . :(1-:' 1) :' 1 3 3* 1-:' /2%'(-:'-;6 1%:(% -:':(* - 7'-/2'- ('(1' (' '' /2**2'(0*';*-(*'(' 1 (7' &'(0*'+0 :*'*3. *'-/2' 3%'(' / (' = ' 1 /' 2* *2' -'' *B%-::*2'=7L' (0* ' '-/2' $

?' '' ('(0*' $' ' $ "(0*7'-*'(0*'& :: + /;N 1=- -' -'(' -3-' %(0' -'0 3-' (0' -'0 3-' %(0' 2-10 ' -/2' %(0' <-2A%'0 8-' 0 '*' 1 /' '(' 3-/:7' &'*>(*/')*' & *:2' ' -/2' -*' /C 0-=(*2'=7'&- 3* ''-:3 '(' -::' &'+0 3' '%=' '(' =7'1%:( )-(/'(0%'' '*.- -(/;'(0*'7 ' & 3'(0*'& &(**/' $ " '(0*'4%'. .* ')* 7' ' 0-'' (' " -/2' *)* 7' ' ('' $ " +0 ' - *' *'.*1( )*:7' (0*' . *' 2*/(' &'*-10' ' -/2' ' & 91*' -/2' (0* *' - *' ' /'(0*'# ' /('+0 10'(0*' ' - *' 2) 2*2

G' 0*'*' && 1* '' - *' - :'%/2* ' (0*' '%.* /(*/2*/1*' &'(0*' 4%' #0 ' -/2' - *' 2* *2'(' 3-/-;*' (0*' -&&- '' &'(0*' : 1-:'*>*1%( )*' ;)* /C 3*/(' %/2* ' (0* ' *'.*1( )*' 5% '2 1(/'' 0*' $ ' -%2' $ ' - 1' -.. /(*2'=7'(0*' 4%10 5 ' ' (0*' ;)* / ' -/2' (0*' $ ' - 1' 10 '*/'=7'(0*' .* .:*' &'(0*'# ' 9*' 2*'' (0* *' - *' (0*' *. *'*/(-C ( )*'' & 3' *)* 7' ' -/2' !#" +0 ' - *' 10 '*/'=7'(0*' .* .:*' -/2' - 1' '%3 3 /*2' .* 2 1-::7' ' 11-' /-::7' ('(0*' 4%10 ' ('2 '1%' '' (0*' : 1-:' /(* *'('' -/2' =*/*&('' 0*7'1 3. '*' +0-(' '' 1-::*2' 4%' <- ' ' (0*' 4%' $- : -3*/(' 0* *' - *' -:' ' <%' <- '' -/2' #0 6 /' <- '' ? '(0*' ' -/2' # ' -''*3=:*'@'1 /' '(/;' &'(0*' 2*.%(*'' *:*1(*2' =7'(0*' .* .:*'('2 '1%' '' (0*' *1 / 37' &'(0* ' +/' 2 '(1('

`' 0*' -23 /'(-(/' &' -&&- '' %/2* ' 8 ' 4%' 2 &&* '' /' '*)* -:' *'.*1('' & 3'(0-(' &' (0* ' : 1-:' ;)* /3*/('' 4 ' /'(-/1*' /' (0* ' : 1-:' ;)* /3*/('' (0*' . :1*' -&&- '' - *' %/2* ' (0*' 2 *1(/' &'(0*' ;)* / ' '=%(' /' 8 ' (0*7' - *' '%.* /(*/2*2'=7' - 8 '0 ' +0 ' '' (0*' 0*-2' &' <* '0 ' /'0 ' +0 ::7' '*.- -(*' & 3' 8 ' 4 ' -/2' *'(-=:'0*2'=7' <* '0 ' < 8%' -'2*.- (3*/(' &' (3%' 0 ' /'(0*'1*/(-:' ;)* /3*/(' 0%'' (0*' *>*1%(/' &' -::' *;%:-(/'' 1 /1* / /;'(0*' .* ' /'' -/2' . .* (7' 3%'(' = ' '%=5*1(' (' (0*' /5 .)-:' &' - 8* '0 ' =*& *'(0*7' - *' 1- *2' /(' *&&*1(

`' 0*' '(%-(/' &'(0*' && 1*' &' 8 ' 4%' '' ' ' 10 ' - +-' 10 ' 8 ' 11%.7 /;' '*)*%' (0 %'-/2' 5 ' "3@' -1 *'@' (' '' 2) 2*2' /(' 3-/7' 2*.- (3*/('' -/2' 0-'' %/2* ' ('' 5% '2 1(/' (0*' & &(**/

$ '

) ') ' ! ' ' ' #

- :7' , - . - / * ' *' - /' % / + ((* /' :- / ; % - ; * - / ' 3 ' ' /' &' *1 2'' =7' + 2' &' 3 %(0 0*' /2 - /' *2 - ' ' 1 : ' ' - -' '7 ' (* 3 ' &' 3 / * 3 / 1 ' ' /1 * / (' :- / ; % - ; *' &' , - . - / 0*' 610 '2 - :*1(, - . - / * ' *' - ' % - / - /' (/ ; %* ' 72*' #:- 8*F'' (0* 7' &' - /' - /1 * / (' % - / 6 & 1 - /' *3 . * /(* 1 % ' *' + (0' < *- /&:%* / 1*' &' #0 / * ' *' : (* - (% * ' G' *((* '' &' (0*' ; 26 - ; *' H 0*' - :. 0 - =*(. 8*/' - /2' + ((* /' :- / ; % - ; *' E && 1%:(*'' &' *>. : / ;' , - . - / * ' *' : (* - (% * - 7' &' (0*' :2' 1 % (' / =:* ' , - . - / * ' *' 1:- ' ' 1 , - . - / * ' *' . *(7 $ *(7' &' (0*' ; 2' ')* ' *' =7' (0*' ; 2' %' - / #0 - /(' &' (0*' ; 22*' '' A%3 26E ' G' 'H ' .*1 3 * / '' &' / - ( )*' . *(7 *3 - 8 - =:*' /&:%* / 1*' &' + 3 * /' %. /' : (* - (% * /(* 10 - / ; *' &' . ' *' - /2' . *(7' =*(+**/' -' #0 / - 3 - /' - /2' -' , - . - / * ' * #- . (- /' 9 /8:*7' /' (0*' , - . - / * ' *' :- / ; % - ; * ' 72*' #:- 8*' /' 0 '' % - / 6 & 1 - /' (0* 7

' ! ' = H<' <G<4./.' B-.<B /.' /<@/'' Q 4' BC.' .<- ./B' B 5./' BC.' <G<4./.' <4AE<A.' C<0' 4=' ; - BB.4' HC<-<HB.-/"R' <4' =G 4 =4' ; C HC' /' ><!.0' EG=4' BC.' -./E B/' = ' BC.' -./.<-HC./' = ' BC.' 5=/B' .<-4.0' 5.4' = ' BC.' H=E4B-@ ' C.-.' <-.' BC=/.' ; C=' C= 0' <' H=4B-<-@' =G 4 =4'' >EB' BC.' <EBC=- B@' ; C HC' ' C<K.' ME=B.0' < -5/' BC<B' BC.' A-=E40/' =-X9BC. -' >. . ' <-.' BC.' Q 5.-.' =-A.- ./' = ' B.-<-@' 5G=/B=-/ R' C.' G= 4B' /'' = ' H=E-/.'' =4.' = ' A-.<B' 5G=-B<4H.'' =-' <' 4<B =4' ; C HC' H=5I 5.4H./' B/' H<-..-' ; BC' <' ; - BB.4' <4AE<A.' E/E< @' H<-- ./' ; BC' B' 5EHC' 5=-.' 0 - .HB' 0.5=4/B-<B =4/'' =-' <B' .</B' 40 H<I B =4/'' = ' B/' =- A 4' BC<4' <' 4<B =4' BC<B' A-= ; /' EG'' =4' B/' C /B=- H' A-=E40'' -=5' <' H=40 B =4' /=' BB .' 0.K. =G.0 '' </' B=' C.' 0.K= 0' = ' ; - BB.4' HC<-<HB.-/

4' BC.' HC<GB.-' =4' BC.') =0&G.- =0' ' C<K.' C<0' =HH</ =4' B=' -. .-' B=' BC.' H -HE5/B<4H./' E40.-' ; C HC' BC.' /<H-.0' >==L' 90 ' </ / E5.0' B/' L4= ; 4' =-5' >@' >. 4A' B<L.4' 0= ; 4' -=5

$" 3 X 0 A , A ' B' 0. - , 1 S

BC.' 0 HB<B =4' = ' @.B<4=' -*' >@' ; C=5' B' C<0' >..4' H=5I 5 BB.0' B=' 5 . 5 =-@(' <40' < BC=EAC' BC /' =HHE--.0' </' <B.' </' BC.' @.<-' , ' = ' =E-' G.- =0"' ; C .' ; .' L4= ; ' BC<B' =4 EH <4' >==L/' ; .-.' 4B-=0EH.0' 4B=' <G<4' 4' BC.' BC -0' H.4BE-@"' /B ' B' /' <4' E/B-<B =4' = ' BC.' <HB' BC<B' BC.-.'" </' 4' =BC.-' H=E4B- ./"' BC.' B-<4/5 // =4' = ' B-<0 B =4/"' .BH "' >@' ; =-0' = ' 5=EBC' ; </' <' 4<B =4< ' G-<HB H.' 40' >EB' . ;' G.=G .' L4= ; ' B='C= ; 'A-.<B'<4' .NB.4B'BC /'G-<HB H.'G-.K< .0' 4' /=5.'4<B =4/"' .K.4' =4A' < B.-' BC.' 4B-=0EHB =4'= ' ; - BB.4' <4AE<A./ ' = ; I .K.-' /B-<4A.' B' 5<@' /..5' B=' /<@' /="' B' /' <' <HB' BC<B' BC.' 5=/B' <4H .4B' = ' < ' BC.' /<H-.0' >==L/' 4' ; C HC' ; .' =E-/. K./"' </' G<-B' = 'BC.' -@<4' ; =- 0"' <-.' 4B.-./B.0"' K ?' BC.' A&%.0<"' C</' >..4' B-<4/5 BB.0' =-< @' 0= ; 4' B=' =E-' = ; 4' 0<@"' <40' C</' C<0' B/' /<H-.0' B.NB' -/B' GE> /C.0' 4' <' H=5G .B.' =-5' >@' <' /HC= <-' ; C=' /' /B ' < K."' <40' /B ' E5 4<B 4A' C /' <A.' >@' C /' A.4 E/' C.' A&%.0<' C</' 4' /=5.' /.4/.' >..4' BC.' > .' = ' 5 =4/' EG=4' 5 =4/' = ' =E-' . = ; &H-.<BE-./' =-' BC=E/<40/' = '@.<-/"' >EB' B' ; </' -' <N' E .-' ; C=' >-=EACB' =EB' Q'BC.' -/B' H=5G .B.' .0 B =4' = ' BC<B' /<H-.0' B.NB"' B=A.BC.-' ; BC' BC.' 5=/B' <EBC=- B<B K.' H=5 5 .4B<-@' = ' 40E' BC.=I =A <4/ R' 9' C.-."' 4=' 0=E>B"' C<K.' =4A' .N /B.0' 5<4E/H- GB/' = ' BC.' %.0<"' >EB' -' <N' E .-' C 5/. ' /B<B./' BC<B' >EB' .;' ' 4' 40 <' <-.' = 0.-' BC<4' =4.' BC=E/<40' @.<-/' < B.-' C- /B"' <40' BC.-.' /' 4=' .K 0.4H.' BC<B' BC.' <-B' = ' ; - B 4A' ; </' L4= ; 4' 4' 40 <' 5EHC' >. =-.' BC.' >.A 44 4A' = ' E00C /5 : ' BC.' </B' -.5<-L' >. 4A' =4.' ; C HC' 5<@' >.' <GG .0' B=' <G<4' L. K/."' >.<- 4A' 4' 5 40' BC<B' E00C /5' =4 @'-.<HC.0' <G<4' <' BC=E/<40' @.<-/' < B.-' BC.' .' <40' 0.<BC' = ' E00C< :

G $ /1*' 22- (0-' '(7:*2' =4' *- (0
/' *- (0' -/2' 0*-)*/ '' -/2' 0*::'' /1 3.- -=:* H

C.' /<H-.0' B-<0 B =4/' ; .-.' C<40.0' 0= ; 4' -=5' A.4.-<B =4' B=' A.4.-<B =4' >@' 0 /H G 4.0' <40' G-<HB /.0' 5.5=-@' < =4.' Q' /' <-' ><HL' </' ; .' L4= ; ' <4@BC 4A' = ' 40 <"' ; .' 40' BC<B' BC.' @.<-/' ; C HC' ; .' /G.40' <B' /HC== ' <40' <B' E4 K.-/ B@' ; .-.' /G.4B' >@' BC.' /=4/' = ' BC.' BC-..' C AC.-' H </1./' 4' .<-4 4A' -=5' BC.' 5=EBC' = ' <' B.<HC.-' BC. -' /<H-.0' B.-<BE-.' C /

_' C.' =5 5 .4B<-@' = ' 4@<44' H<-@4

%& ' '

; </ < /<H-.0 0EB@ BC. 4.A .HB = ; C HC .4B< .0 /=H < 0.I A-<0<B =4(<40 BC. 5=/B 5 4EB. -E ./ ; .-. < 0 0= ; 4 </ B= BC. 54.5=4 H /@/B.5 BC<B C<0 B= C. = = ; .0 . =-. &BC. 4K.4B =4 = ; - B 4A BC.-. ; </ C= =BC.- ; <@ = G-./.-K 4A B.-<BE-. ; C.BC.- /<H-.0 =- G-= <4. <40 4 H=4/.ME.4H. .K.-@ G-.H<EB =4 ; </ B<L.4 <A< 4/B <HH 0.4B/"R 9 B-<4A.- /B / BC. <HB BC<B BC=/. -<C5<4/ ; C= 5<@ >. H=4I / 0.-.0 BC. ./G.H < AE<-0 <4/ = BC. /<H-.0 B-<0 B =4/ = 40 < 4 =E- = ; 4 0<@ 0= 4=B .5G =@ . BC.- BC. ; - BB.4 =- BC. G- 4B.0 B.NB/ 4 .<-4 4A <40 B-<4/5 BB 4A BC. - C= @ =-. 1 Q C.@ .<-4 B <// BC. - <4H./B=-/ .<-4B B BC=E/<40/ = @.<-/ <A= -=5 BC. 5=EBC = < B.<HC.- /= BC<B BC. .0 H /EHH.// =4 /C=E 0 4.K.- C. >-=L.4"R <40 /= ; 0= BC.@ "G.- =-5 BC. 0EB@ <40 /= <HHE-<B. @ 0= BC.@ B-<4/5 B BC. B.NB BC<B Q BC.-. / C<-0 @ < K<- =E/ -.<0 4A 4 BC. G-=G.- /.4/. = BC. ; =-0 =-. .K.4 <4 E4H.-B< 4 <HH.4B 4 BC. ; C= . = BC. A&%.0<"R ; C HC H=4/ /B/ = 5=-. BC<4 < BC=E/<40 C@54/ <K.-<A 4A B.4 K.-/./ <40 H=4B< 4/ 5=-. BC<4 =4. CE40-.0 <40 B@ BC=E/<40 ; =-0/ `

C./. A 5G/./ 4B= BC. /@/B.5 = B-<4/5 BB 4A B.-<BE-. >@ =-< B.<HC 4A <40 >@ BC. B-< 4 4A = BC. 5.5=-@ <-. K< E<> . </ /.-K 4A B= <HH=E4B =-. BC. .NB-.5 . <>=-<B =4 ; C HC ; - BB.4 HC<-<HB.-/ E40.-; .4B 4 <G<4 < B.- BC. - 4K.4B =4 <40 <0=GB =4 0EH<B.0 </ ; . 4=; <-. <40 K 4A </ ; . 0= B / 0 HE B B= BC 4L ; BC B= .-<B =4 = <4@ <4AE<A. ; C.BC.- /G=L.4 =- ; - BB.4 ; C HC H<44=B C. < - @ 5</B.-.0 4 < @.<- =- B ; = <40 B / ; BC 5G<B .4H. BC<B ; . -.<0 = <G<4 BC<B Q <B9 BC. = ; ./B ./B 5<B. < /HC== >=@ ; </ -.ME -.0 B= .<-4 =4. BC=E/<40 0 .-.4B HC<-<HB.-/(R BC<B Q 4 BC. A=K.-45.4B . .5.4B<-@ /HC== / = BC. G-./.4B B 5." <>=EB BC-.. BC=E/<40 HC<-<HB.-/ <-. B< E A C B < 4 0 BC<B Q < 5<4 <@ 4A <4@ H < 5 B= /HC= <-/C G L4= ; / . ACB =- B.4 BC=E/<40 HC<-<HB.-/ ; C . BC=/. ; C=

9 C. >>.-B .HBE-./ , B 4 < G=/B/H- GB B=C / BC -0 >& >. && .HBE-. - <N E .- H B./ K.-@ 4B.-./B 4A G<//<A./ -=5 <4 <4H .4B ; =-L < = ; 4A 4 0.B< C= ; BC. =-< B.<HC 4A = BC. %.0</ ; </ H<-- .0 =4 <B .</B " <40 <00/ /B<B.5.4B/ -=5 BC. G.4/= B ; =4<B K. /HC= <-/ B= /C= ; C= ; B / 4< 4B< 4.0 <B BC. . *'*/(2-7

XG<// =- 5 .4 = A-.<B .<-4 4A<-. .NG.HB.0 B=">.<HME< 4B.0 ; BC 5<4@ B.4/ = BC=E/<40/ R 9 C .' ==L 4A 4B=' BC / 5<BB.- 4 =L = -.ME./B.0 5@ - .40 <GB< 4 - 4L .@ DG.-C<G/ BC.' A-.<B./B 5</B.-' = BC.' <G<4./.' <4AE<A.' <5=4A =-. A4.-/F B=' <K=E-' 5.' ; BC C / K .; / EG=4 B <40 BC / C.' ; </ L 40 .4=EAC B=' 0=' C.' 5.5=9 -<40E5' ; BC ; C HC C.' <HH=-0 4A @ E-4 /C.0 5.' / /=' K< E<> .' <40 4/B-EHB K.' BC<B ' <GG.40 B ; BC=EB < B.-<B =4 B=' BC / HC<GB.-' B ; '>.'/..4 -=5' B BC<B /=5.'B ; . K.'=-' BC -B..4 BC=E/<40 HC<-<HB.-/ 4' < ' 5E/B >.' Q /B=-.0 < ; <@ 4 B J*' 5.5=-@ >.@=40 BC.' -.<HC = B 5.' <40 BC.' 4.H.// B@ = -.K / =4"R >. =-.' < @=E4A <G<4./.' H<4 < - @ /B<-B 4 GE-/E B = /H .4H.' EB B / .</@ B=' /..' BC<B BC / H= =//<' /@/B.5' = 54.5=4 H/ A-. ; 4<BE-< @ .4=EAC =EB = BC<B <-& .<- .-' /@/B.5 E40.-' ; C HC >. =-.' BC.' 4K.4B =4 = ' ; - B 4A 5.5=-@ ; </ BC.' =4 @ >-<-@ <40 BC.' B= ' = ' =4A @.<-/ BC.' =4 @ 5.<4/ BC.-.' ; .-.' = /B=- 4A B ' = ;' BC<B <G<4 C</ .4B.-.0 EG=4 BC.' 5=0.-4 G.- =0 /C.' 5E/B /=' <- 0 /H<-0 C.-' <4H .4B =-5/ = ' <4AE<A.' </ B=' E-4 /C C.-' /=4/ ; BC -.<0 .-' 5.<4/ = <HME - 4A L4= ; .0A.

C.' <4H .4B <4AE<A.' = ' <G<4 : >@ ; C HC ' 5.<4 BC.' <4AE<A.' /G=L.4 >. =-.' BC.' =G.4 4A = ' C.-' H=5 5E4 H<B =4/ ; BC #=-.< <40 C 4< : <GG.<-/ B=' C<K.' /B==0 < =4.' B C<0 /=5.'0.A-..' = ' < a4 B@ ; BC BC<B = ' #=-.< .//D<HH=-0 4A B=' BC.' C AC./B <EBC=- B ./F 4 BC.' -==B/ = ' ; =-0/ BC<4 4 A-<5 5<B H< ' =-5 <40 /B-EHBE-. ' C.-.' / C= ; .K.- CEB =4.' <4AE<A.' =EB/ 0.' = ' <G<4 B/. ' ; C HC H<4 >.' H=4/ 0.-.0 </ C<K 4A 5<4@ ; =-0/ 4 H=5 5=4 ; BC <G<4./. <40 BC<B / BC.' <4AE<A.' = ' BC.' ==&HC== / <40/ ' C / <GG.<-/ B=' /=' <-' -./.5> .' BC.' <G<4./.' BC<B -' <B= ; ; C=' .N<5 4.0 < ==&HC==<4 K=H<>E <-@ /<@/ BC<B B 0 .-/ K.-@ BB .' -=5' B(<40 <00/ BC<B /=5.' 5.5>.-/ = ' BC.' ==&HC==<4 .5><//@B=' .0=' /G=L.' <G<4./.' ; BC G.- .HB H=--.HB4.// ' C / H=-I -.HB4.// 5E/B C= ; .K.- >.' -.A<-0.0 </ <4 <HH=5G /C5.4B <40 4=B </ < G-== ' = ' 0.4B B@ >.B ; ..4 BC.' B ; =' <4AE<A./

g ! -' ! <K 0 E--<@ <BE EG.- 4& BC.' $C <0. G 4 HC > B =4 OEH<I B 50.EB = ' OEH<B =4 4 < F<4 4 B =4

>.H<E/.' 4B.-G-.B.-/' <-.'6 </' <' 5<BB.-' = ' <HB'6 = B.4' .5G =@.0' B=' <H B<B.' H=5 5E4 H<B =4/' >.B ; ..4' 4<B K./' = ' BC.'-./G.HB K.' H=E4B- ./' B' ; '>.' H=--.HB' B=' </IE5.'6 ; BC' -' /B=4'6 BC<B' BC.' ==&HC==<4' B=4AE.' /' <4' = /C==B' -=5' BC.' <G<4./. : <' 5.-.' <G<4./.' 0 < .HB'6 4' <HB' C.' -. <B =4' >.B ; ..4' BC.' <4AE<A./' = ' <G<4' <40' #=-.<' /' 0=E>B .//' <' ; C= @' 0 . &.4B' =4.'6 <40' =4.' = ' <-' A-.<B.-' C /B=- H9'/ A4 H<4H.'6 >EB' B' /' ME B.'>.@=40' 5@' G= ; .-' B=' BC-= ; ' <4@' ACB' EG=4' B' ' ' H<4' 0=' 4' BC.' 5<BB.-' /' B=' .NG-.//' /E-G-/.' BC<B'6 </' <-' </' ' L4= ;'6 BC /' .<- @' GC = =A H' -. <B =4/C G'>.B ; ..4' <G<4' <40' BC.' #=-.<4' G.4 4/E <' C</'>..4' /=' BB .' /BE0 .0 ' Z

B' /' B=' BC.' <>/.4H.' = ' <4@' K 4A' =-' L4= ; 4' <4AE<A./' < .0' B=' BC<B' = ' <G<4' <40' ==&HC==' BC<B' ; .' 5E/B' G- 5<- @' <BB- >EB.' BC.' BB .' G-=A-.//' BC<B' C</' >..4' 5<0.' >@' H=5I G<-<B K.' GC = =A /B/' 4' BC. -' 4K./B A<B =4/' -./G.HB 4A' B' B' C</' 4=B' @.B-.H. K.0' .K.4' <' W0. 4 B.' G <H.' <5=4A' BC.' A-.<B' <5 ./' = ' B=4AE./'6 /=5.' ; -B.-/'6 <B' .</B'6 G <H 4A' B'6 ; BC' BC.' #=-.<4'6 <5=4A' <4AE<A./' BC<B' <-.' = ' 0=E>B E ' =- A 4 9' EBC=- B@' =4' BC.' ; C= .'6 C= ; .K.-'6 H.-B< 4 @' .NH E0./' B' -=5' BC.' -@<4' <40' .5 B H' H </I./'6 <40' 4H E0./' B' 4' BC.' E-<4 <4' A-=EG' = ' B=4AE./'6 < BC=EAC' B' /' 4=B' B=' >.' =E40' 4' BC.' =4A' A.4.< =A H<' B<> ./' = ' BC<B' <5 @' = ' <4AE<A./' ; C HC' <-A' A K.4' >@' -' <N' E .-' <B' BC.' .40' = ' C /' W .HBE-./' =4' BC.' H .4H.' = ' <4AE<A.3 -' <5./' .-AE//=4'6 4' C /' 5=/B' 4B.-./B 4A' BC4= =A H<' GG.40 N' B=' C /' W /B=-@' = ' -HC B.HBE-."3>= 0 @' /<@/1 Q' 4' BC.' = 0' ; =- 0' BC.' B@G H<' E-<4 <4/' ; .-.' BC.' A@GB <4/(' 4' BC.' 5=0.-4' BC.' C 4./.' <40' <G<4./. R'b' -' ') ' /B=4'6 ; C=' C</' <HME -.0'<' 5</B.- @' <HME< 4B<4H.' ; BC' <G<4./.'6 <40' C</' ; - BB.4' A-<5 5<-/' >=BC' = ' BC.' /G=L.4' <40' = ' BC.' ; - BB.4' <4AE<A. : ; C HC' 0 .-' A-.<B @' : /<@/' BC<B' B' G=//.//./' < ' BC.'HC<-<HB.- /B H/' = 'BC.' E-<4 <4' <5 @'6 >. 4A'<AA EB 4<B K.' D .' 5< 4B< 4 4A' B/' Q' -==B/'R' 4' BC. -' 4B.A- B@F'6 ; BC=EB

9' C=' 44B =-' = 'DC=' <-B H .' Q $C =I =A@'R' 4' BC.' , ' .O B =4' = 'W C<5I >.-/3 4H@H =G<.0 <"3 =-'.N<5G ."6 ; C='6 E40.-'BC.' C.<0 4A' Q' =4=/@ <> H' =-' /= <B 4A"33 G <H./' '6 BC.' C 4./.'6 2" BC.' >.B<4'6 <40' P'6 BC=' <5./.'6 4<5./='6 <40' E-544'6 <00 4A'6 Q <G<4./.'<40' C.' <4AE<A.' = '#=-.<' <-.' 0=E>B E R

$ 0 0 A , A ' B' 0. - , - P

=-5<B K.' G-. N./'" G==-' E' H=4JE4HB =4/'" <40' H=G =E/' 4' BC.' E/.' = ' G<-B H G ./ ' .' <00/1 Q' C.' <G<4./.' <4AE<A.' /' E-BC.-' <4' .N<5G .' = ' BC.' -E .' H=55=4' B=' < ' <4AE<A./' = ' BC /' <5 @'" BC<B' .K.-@' ; =-0' ; C HC' /.-K./' B=' 0. 4.' <4=BC.-' ; =-0' 4K<- <> @' G-.H.0./' B (BCE/' BC.' <0J.HB K.' G-.H.0./' BC.' 4=E4'" BC.' <0K.->' BC.' K.->'" BC.' A.4 B K.' BC.' ; =-0' ; C HC' A=K.-4/' B'" BC.' =>J.HB K.'H</.' BC.' K.->'" <40' BC.' ; =-0' A=K.-4.0' >@' <' G-.G=/ B =4' BC.' G-.G=/ B =4 R' 4' <' G<G.-' -.<0' <B' BC.' / <B H' =H .B@' = ' <G<4' 4' ,S'" -' /B=4' 4.K.-BC. .// :' = =; 4A' EG' -' 0L 43/' BC.=-@'" BC<B' BC.' C 4./.' <4AE<A.' C<0' -.5=B.' -. <B =4/' ; BC' BC.' -@<4' <5 @ : C 5/. 'G= 4B/' =EB' /=5.' -./.5> <4H./' >.B ; ..4' <G<4./.' <40' BC<B' <5 @'" <40' A K./' 4E5.-=E/' .N<5G ./' = ' <GG<-.4B' 0.4B B@' >.B ; ..4' <G<4./.' <40' -@<4' -==B/' .' <@/' 4=' A-.<B' /B-.//' =4' BC.' 5<BB.-'" <40' <00EH./' BC.' 0 HE B@' ; C HC' ' C<K.' < -.<0@' 5.4B =4.0'" K ?' BC.' <>/.4H.' = ' H=A4<B.' <4AE<A./'" </' BC.' A-.<B' =>/B<H .' B=' BC.' GE-/E B' = ' 4ME - ./' = 'BC /' L 40

@' .<-4.0' - .40' -' @0.' <-L.'" ; C=/.' .BC4= =A H<' <40' GC = =A H<' -./.<-HC./' <-.' ; . 'L4= ; 4'" C</' =4A' C<0' C /' <BB.4B =4' 0-< ; 4' B=' BC.' <G<4./.' <4AE<A.'" <40' < B.-' 5<4@' <>=E-/' C</' 0 /H=K.-.0' -. <B =4/' >.B ; ..4' BC<B' <40' BC.' <4I AE<A./' = ' /C<4B..' <40' ; ./B.-4' - H<' /' .NG.HB<B =4/' = ' 40 4A' <' /= EB =4' = ' BC.' 5< 4' G-=> .5' ; .-.' 0 /H=E-<A.0' >@' BC.' K</B' .BC4= =A H<' 0 .-.4H./' >.B ; ..4' BC.' G.=G ./! >EB' C<K 4A'" =4' .BC4= =A H<' A-=E40/'" %B=' 0 /B 4AE /C' <' ; C B.' -<H.' .<- .-' =4' BC.' . 0' = ' C /B=-@' B <4' BC.' -@<4/"R' C.' C</'" 4' <HH=-0<4H.' ; BC' C /' -.<0 4A/' = ' C /B=-@'" ==L.0' =-' BC /' -<H.' E' AC' - H< : Q -.A =4/' </' C.< BC@' </' BC=/.' = ' AC' / <'" -=5' ; C HC' BC.' -@<4' 5 A-<B =4/' <-.' C. 0' B=' C<K.' G-=H..0.0 R' $E-/E 4A' BC /' 4.' = ' 4ME -@'" C.' C</' <-- K.0' <B' BC.' =G 4 =4' BC<B' B' /' 4' <4' <4H .4B' E-<4=& - H<4' .5G -.' BC<B' BC.' =- A 4' = ' BC.' <G<4./.' /C=E 0' >.' /=EACB' C /' K . ;' /' /=' 4=K.' <40' /=' <-&-.<HC 4A' BC<B' ' C<K.' <GG.40.0' B=' BC /' HC<GB.-' BC.' 5.5=-<40E5' EG=4' B' ; BC' ; C HC' -' @0.' <-L.' C</' >..4' /=' => A 4A' </' B=' E-4 /C' 5=

B' ; </' K.-@' .<- @' E' =E-' .-<'" </' ; ' C<K.' < -.<0@' >..4' /..4'" BC<B' <G<4' >.A<4' B=' C<K.' 4B.-H=E-/.' ; BC' #=-.<"

<40 B= 0.- K. BC.4H. < 0 <40 4/B-EHB =4 ; C HC A-.<B @ <H B<B.0 BC. G-=A-.// >=BC = BC. 4. <40 = BC. 4I 0E/B- < <-B/(<40 . ; BC 4A/ <-. 5=-. /B- L 4A .K.4 <5=4A BC. 5<4@ /B- L 4A BC 4A/ ; C HC 5<@ 4=; >. =>/.-K.0 4 <G<4 BC<4 BC. H=5G .B. <40 C<40/=5. 5<44.- 4 ; C HC C.- G-./.4B /HC= <-/ C /B=- <4/ <40 = H.-/ -.H=A4 /. BC / <4H .4B 40.>B.04.// B= BC. G.=G . = BC. 4. AC>=E- 4A G.4 4/E < & C. <G<4./. C<K. G .4B@ = 4<B K. G- 0. 4= 0=E>B CEB BC.@ <GG.<- B= C. ; BC=EB BC. < /. G- 0. ; C HC 0.B.-/ /M5. G.=G . -=5 <HL4=; .0A 4A BC. <0K<4B<A./ ; C HC BC.@ C<K. 0.- K.0 -=5 =BC.-/ -.H.4B 4<B K. ; - B.- /<@/ BC<B 4 BC. .<- ./B B 5./ BC. E/. = < GC<>.B H< HC<-<HB.-/ ;</ E4L4=; 4 4 C / H=E4B-@ <40 BC<B B ;</ 4B-=0EH.0 ; C.4 4B.-H=E-/. ; BC =-. A4 H=E4B- ./ ;</ -/B =G.4.0 C<-<HB.-/ <-. /< 0 B= C<K. >..4 /= 4B-=0EH.0 >@ 4<B K./ = 4<5<DG<-B = #=-.<F ; C= K / B.0 <G<4 0E- 4A BC. -. A4/ = #< LE< <40 EJ 4 D ,&P ==L/ ; .- -/B /..4 4 <G<4 ; C.4 BC. ; <-- =-&.5G-.// 4AE #=A= H<-- .0 <; <@ -=5 #=-.< </ 5<4@ = BC.5 </ /C. H=E 0 <@ C<40/ =4 ; BC .K.-@BC 4A . /. BC<B ; </ <B =4H. K< E<> . <40 G=-B<> . < B.- C.- /EHH.// E 4K</ =4 = BC<B H=E4B-@ 4 BC. BC -0 H.4BE-@ ! BC. /=4 = BC. .5G.-=- J 4 ; </ </ ; . C<K. /..4 B<EACB B= -.<0 C 4./. ; =-L/ <40 -=5 BC<B B 5. =- ; <-0 C 4./. <4AE<A. <40 B.-<BE-. .N.-B.0 < /B-=4A 4 E.4H. EG=4 BC=/. = <G<4 9 $- =- B= BC / BC.-. / -.</=4 B= /EGG=/.

9 B / -.E/=4<> . B= </H- >. B= BC / H<E/. BC. H -HE5/B<4H. BC<B 4 <G<4 </ 4 C 4< Q ; - B 4AR C<// < ; <@/ / A4 Y.0 /= K.-@ 5EHC 5=-. BC<4 ; BC=E-/. K./ E- < GC<>.B/ BB . =- 4=BC 4A 5=-. BC<4 < 5.HC<4 H< /@/B.5 = H=5 5E4 H<B =4(>EB 4 C 4< BC.-. / < 0 K 4. <EBC=- B@ <40 >.<EB@ <>=EB BC. - ; - BB.4 HC<-<HB.-/ =5. = BC.5 H<5. -=5 BC. /H< ./= BC. BE-B . =- 0-<A=4&C=-/. BC<B =C&C. =E40 4 BC. - K.- >.0 C./. C= .NG<40.0 B= BC. A-.<B 4./ = BC. '4 K.-/. C. /B<- @ HE-K./ = BC. C.<K.4/ BC. E40E <B =4/ = 5GEE& B< 4/ BC. ; 40 4A = - K.-/ : 4 BC./. ; .-. BC. . .5.4B/ = ; - B 4A <40 BC./. . .5.4B/ /C<-.0 BC. 0 K 4 B@ = H-.<B =4 >K =E/ @ < /@/B.5 = ; - B 4A BCE/ >.AE4 =-BCE/ 0.K. =G.0 ; =E 0 A-.<B @ <K=E- BC<B <4H E 4B.- ; .<K 4A = 5 .<4 4A/ ; C HC B / 5G=// > . </ =4. /= = B.4 40/ B= -.40.- 4 < <4A4<A. L. =E-/ =- 40..0 4 <4@ =-. A4 <4AE<A. ; C<BI .K.- 5<@ C<K. =HH</ =4 B= 5<L. 5.4B =4 <A< 4 = BC. 0 HE B@ 4 BC. HC<GB.- / $)* = <40 $C-</./

1. Yositunè riding on the Tengu to take his Fencing Lessons at Kurama Yama.
2. Taïho: a fabulous bird: the Japanese "Roc."

From Hokusai. Reproduced for this Work by a Japanese Engraver.

To face page 84, Vol. II.

' $' '&0 0 A , A ' B' 0. - , -

BC.' ; - B 4A' = ' .BB.-/' ; </' 4.K.-' G-<HB /.0"' >EB' .G /B= <-@' H=--./G=40.4H.' /==4' >.H<5.' G-<HB H<> .' < B.-' B>.' 4B-=I OEHB =4' = ' =4 EH <4' >==L/"' <40' ; BC' BC.5' B>.' H=55.4H.I 5.4B' = 'B>.' /BEO@' = 'B>.' B.-<-@' <-B ' =BC 4A' L.' C 4./.' H=5G=/ B =4' ; </"' C= ; .K.-"' G-<HB H<> .' 4' <G<4' E4B ' BC.' / NBC' H.4BE-@"' ; C.4' BC.' 4B-=OEHB =4' = ' EOOC /5' <40' EOOC /B' ; - B 4A/' A<K.' <' /B-=4A' <40' </B 4A' 5GE /.' B=' BC.' /G-.<O' = ' C 4./.' B.-<BE-."' <40' 4= ;' BC.' 4E5>.-' = ' C 4./.' ; =-0/' 4' B>.' <G<4./.' <4AE<A.' A-.<B @' .NH..0/' B>.' 4E5>.-' = ' 4<B K.' ; =-0/' C.@' <-.' =-' B>.' 5=/B' G<-B' .</ @' 0 /B 4AE /C<> ."' B' /' /< 0"' < BC=EAC' 4' /=5.' H</./' <G<4./.' ; =-0/' C<K.' E40.-A=4.' HC<4A./' ; C HC' 5<L.' B' 0 HE B' B=' -.H=A4 /.' BC.5 ' B' 5E/B' 4=B' >.' 4 .--.0' -=5' BC /' BC<B' <' L4= ; .0A.' = 'BC.' C 4./.' <4AE<A.' /' <>/= EB. @' 4.H.//<-@' =-' /BEO.4B/' = ' <G<4./. ' Q' C<B' /' -.< @' .//.4B < "R' /<@/' -' /B=4"' % /' <4' <HME< 4B<4H.' ; BC' BC.' 5.<4 4A' <40' <G<4./.' G-=4E4H <B =4' = ' C.' C 4./.' HC<-<HB.-' ' <5 <- B@' ; BC' C 4./.' H=4/B-EHB =4/' <40' =-5/' = ' .NG-.// =4' /' 4=B' ; BC=EB' K< E.' B=' BC.' /BE0.4B' = ' BC.' <B.-' =-5' = ' <G<4./."' >EB' B' /' ME B.' G=// > .' B=' C<K.' <' L4= ; .0A.' = 'BC.' <4AE<A.' /E H .4B' =-' < ' G-<HB H< ' GE-G=/./' ; BC=EB' >. 4A' <> .' B=' H=4/B-E.' <' / 4A .' /.4B.4H.' = ' <' C 4./.' >==L R' .' <00/' BC<B' <' L4= ; .0A.' = ' =4.' = ' BC.' /G=L.4' 0 < .HB/' = ' C 4<' /' = ' 4=' E/.' ; C<B.K.-' B=' BC.' /BE0.4B' = ' <G<4./.

C.4H.' H<5.' BC.' .<- ./B' ; - BB.4' HC<-<HB.-/' .K.-' .5I G =@.0' 4' <G<4' /' <' ME./B =4' BC<B' C</' .NH B.0' 5EHC' H=4I B-=K.-/@"' <5.' BC.@' -=5' BC.' A=0/V' .-.' BC.@' BC.' 4K.4B =4' = ' BC.' /<A./'V -' ; .-.' BC.@' 4B-=0EH.0' -=5' #=-.<'V <HC' = 'BC./.' ME./B =4/' /' <4/ ; .-.0' 4' BC.' < -5<I B K.' >@' /=5.' /HC= <-/"' <40' 0.4 .0' >@' =BC.-/' C.@' <-.' L4= ; 4' </' @ ' Q' .BB.-/' = ' BC.' A=0' <A."R' <40' BC.' G- ./B/' = 'BC.' = 0' C 4B=' < BC"' ; BC' /EHC' 5=0.-4' <G<4./.' /HC= <-/' </' -<B<' B/EB<4."' 0..5' BC.5' B=' >.' BC.' = 0./B' ; - BB.4' HC<-<HB.-/' L4= ; 4' 4' <G<4"' <40' = ' GE-. @' <G<4./.' =- A 4"' 0<B 4A"' 4' <HB"' -=5' BC.' 0 K 4.' <A. ' BC.-/"' ; C=' 5=0./B @' -. -< 4' -=5' </.-B 4A' BC.' 55.0 <B.' 0./H.4B' = ' BC.' <G<4./.' -=5' BC.' A=0/"' 5< 4B< 4' BC<B' BC./.' HC<-<HB.-/

; .-. BC. 4K.4B =4 = BC=/. <B.-<40 .//.- A=0/ BC. /<A./ <40 H=4B.40 </ /B=EB @ </ BC. =BC.-/ =- BC. - GE-. @ <G<4./. HC<-<HB.- C. BC -0 BC.=-@ : BC<B BC.@ ; .-. 0.- K.0 -=5 BC. #=-.<4 B= /@/B.5 = ; - B 4A <40 ; .-. 4 /E>/B<4H. >-=EACB =K.- -=5 #=-.< >@ BC. <G<4./. <-5@ = 4K</ =4 =4 B/ -.BE-4 C=5. : / 5< 4B< 4.0 >@ E00C /B ; - B.-/ <40 C</ 5<4@ =BC.- /EGG=-B.-/ - /B=4 BC 4L/ & B BC. H=--.HB =4. <40 /<@/ BC<B BC. @ C<K. <B <4@ -<B. . B 4= B-<H./ 4 BC. .N /B 4A < GC<>.B/ Q 4=- C<K. BC.@ >..4 BC. K.C H . =- B-<4/5 BB 4A B= =E- 0<@ <4@ B.-<-@ -.5< 4/ = BC. <A. B= ; C HC BC.@ >. =4A R 9 C. 0 .-.4H./ >.B ; ..4 BC. /G=L.4 <40 ; - BB.4 0 < .HB/ = <G<4 <-. K.-@ -.5<-L<> . C. A-<5 5<-/ = BC. B ; = <-. /= 0 .-.4B BC<B - /B=4 C</ GE> /C.0 < /.G<-<B. ; =-L EG=4 .<HC /= BC<B 5.-HC<4B/ <40 =BC.-/ ; C= ; /C B= <HME -. < L4= ; .0A. = BC. H= =ME < B=4AE. 5<@ G-=I H..0 0 -.HB @ B= BC. - =>J.HB = >-=<0 / BC. 0 /B 4HB =4 >.B ; ..4 BC. B ; = BC<B =-. A4 -./ 0.4B/ 4 BC. H=E4B-@ /=5.B 5./ >.H=5. <5 <- @ <HME< 4B.0 ; BC BC. H= =ME < <4AE<A. <40 @.B -.5< 4 4H<G<> . = -.<0 4A < 4. ; /G<G.- <-B H . < >==L =- < .BB.- <00-.//.0 B= BC.5 (; C . =4 BC.

 B / 4= G<-B = 5@ G <4 B= <BB.5 GB B= A K. <4@ 0.B< .0 0./H- GI B =4 = BC. <4AE<A. = <G<4 ; C HC 5E/B >. /=EACB 4 BC. A-<5 5<-/ = - /B=4 <40 4 B . ; - B 4A/ = =BC.- /HC= <-/(>EB B 5<@ >= 4B.I -./B 4A B= /=5. -.<0.-/ B= /<@ BC<B 4 BC. <G<4./. <4AE<A. BC.-. <-. =-B@&/.K.4 /@ <> ./ >@ BC. H=5> 4<I B =4 = ; C HC <40 = </EGG .5.4B<-@ HC<-<HB.- H=--./G=40 4A B= G <H.0 <B BC. .40 = BC. /@ <> . < BC. ; =-0/ = BC. <4AE<A. 5<@ >. -.G-.I /.4B.0 C. .ME K< .4B/ = BC./. /@ <> ./ ; BC < .; /EGG .5.4B<-@ =4./ <-. A K.4 4 BC. B<> . >. = ; .NI G-.//.0 4 =5<4 HC<-<HB.-/ <40 4 -.<0 4A BC.5 BC. 4A /C /=E40/ /C=E 0 >. A K.4 B= BC. H=4/=4<4B/ <40 BC. B<C<4 /=E40/ B= BC. K= ; . / C. B<> . /C=E 0 >= -.<0 0= ; 4 BC. K.-B I H< H= E54/ <40 -=5 - ACB B= . B1 :

;<	-<	@<	5<	C<	E<	B<	<	L<	<	
;	-	@	5	C	4	B/	/C	L		
7	-E	@E	5E	E	4E	B/E	'	LE	E	
;.	-.	@.	5.	C.	4=	B=		L=		
;=		@=	5=	C=	4=	B=	.=	L=		

' $ 4 0 0 A , A ' B' 0 . - , -

=BC .-' C<40'6 <' =-. A4 .-' 5<@' <HME -.' 4' C /' = ; 4' H=E4B-@' <' A==0' L4= ; .0A .' = ' BC .' ; - BB .4' <4AE<A .'"6 <40' C<K .' H<EAC8' BC .' <HH .48' = ' <G<4 ./ .'6 <40' @ .8' >.' E4<> .' =4' K / B 4A' BC .' H=E4B-@' B=' H<--@' =4' <' H=4K .-/<B =4' ; BC' <' 4<B K . ' C .-.' /'6 = ' H=E-/ .'6 <' 4=B<> .' 0 /B 4HB =4' >.B ; . .4' BC .' /G=L .4' <40' ; - BB .4' /B@ ./' 4' 5=/8' H=E4B- ./ : BC .-.' H .-B< 4 @' /' 4' =E-' = ; 4! >E8' BC .' 0 .-.4H .' /' <-' A-.<B .-' 4' BC .' H</ .' = ' <G<4' BC<4' 4' BC<8' = ' =E-/' =-' <4@' =BC .-' ; . &L4= ; 4' <4AE<A .' = ' E-=G .

BC=EAC' BC .' B .-<BE-.' = ' <G<4' /' <' 5 4 .' ; C HC' C</' /H<-H . @' @ .8' >. .4' =G .4 .0'6 <40' B' /' >E8' 4<BE-< ' B=' .NG .H8' BC<8' 8' 5<@' C .-.< B .-' >.' ; =-L .0' ; BC' A-.<8' 4B .-./8' <40' <0K<4I B<A .'6 BC=/ .' ; C=' C<K .' C BC .-B=' /E4L' BC . -' /C< B/' <40' =G .4 .0' EG' ; =-L 4A/' 4' B' /. . 5' B=' C<K .' =E40' B' .//' - HC' BC<4' BC .@' C<0' C=G .0 ' C /' <- /. /' -=5' B ; =' H<E/ ./' 1 -/B'6 5=/8' = ' BC .' B .-<BE-.' BC<8' C</' H=5 .' 0= ; 4' B=' E/' -=5' BC .' G .- =0' ; C .4' BC .' <4AE<A .' ; </' <8' B/' >. /8' <40' GE-./8' ; </' H=5G=/ .0' =-' BC .' K .-@' 5 B .0' =>J .HB/' ; C HC' BC .' L<0=' <40' BC .' H=E-8' C<0' 4' K . ;' 4' BC=/ .' 0<@/(<40'6 /.H=40 @'6 < ' <G<4 ./ .' ; - B .-/' <GG .<-' B=' C<K .' CE4A' =4 .' 4<--<B K .' =-' /B=-@' /=' 5EHC' EG=4' <4=BC .-' BC<8' 8' /' = B .4' 0 HE 8' B=' /. .HB' =4 .' H=5G .B .' 4' B/. ' BC .-' H<E/ ./' <-.' BC .' <>E40<4H .' = ' K .-><' <-B H ./'6 ; C HC' H<44=8' >.' B-<4/ <B .0'6 <40' BC .' H -HE5 /B<4H .' BC<8' BC .' C<> B/' = ' BC=EAC8' <40' .' = ' BC .' <G<4 ./ .' G .=G .' C<K .' >. .4' /=' ; C= @' E4 L .' =E-' = ; 4' BC<8' ; .' H=E 0' 4=8' G .-5 8' =E-/ . K ./' B=' GE> /C' 5EHC' = ' BC<8' ; C HC' C</' >. .4' 5=/8' HC<-<HB .- /B H' <40' B . 4A' <5=4A' BC .5 /. K ./

4' BC .' HC<GB .-' =4' BC .' C 4B=' #. A =4' ' C<K .' -. .--.0' B='6 <40' ME=B .0' -=5'6 BC .' 0 <-@' = ' <4' = 0' H=E-8' 4=> .' ; C=' K .0' <' BC=E/<40' @ .<-/' <A='6 <40' ' ; =E 0' <A< 4' <0K .-8' B=' 8' C .-.' </' <' C AC @' 4B .-./B 4A' .N<5G .' = ' = 0' <G<4 ./ .' B .-<BE-.'6 A K 4A' 5<4@' >- AC8' A 5G/ ./' 4B=' BC .' .' = ' BC .' H=E4B-@' <8' BC<8' G .- =0 ' - ' /B=4'6 ; C=' 0 ./H- >./' <40' B-<4/ <B ./' B'6 H< /' B' <4' 4H .48' <G<4 ./ .' <// H ' B' ; </' .4B B .0' >@' B/' <EBC=-' < ' 4 ' =-' Q' =/< ! <-@ R' C /' = 0' . = ;'6 4<5 .0' /E-<@EL '6 ; C=' G-=E0 @' B-<H .0' C /' 0 -.H8' 0 ./H .48' -=5' =4 .' = ' BC .' L<0=/'6 C<0' >. .4' =-' =E-' @ .<-/' G-. .HB' <8' =/<'6 <40' ; -=B .' BC .' 0 <-@' ; C .4' =4' C /' ; <@' ><HL' B=' BC .' 5G .- < ' H B@

. ; </ < G=.B = . 5 4.4H. <40 <EBC=- = <4=BC.- ; =-L"
 ; C HC C</ >..4 G-=4=E4H.0 BC. 5=/B G.- .HB .NB<4B H=5G=/ I
B =4 = BC. 4<B K. /B@ . 4 5 4A .0 J= B@ <40 A- . : *J= B@
-=5 C=>&4=>> 4A 4H E0 4A K.-/.&5<L 4A ; BC C / /EHI
H.//=- <40 A- . =-BC<B C. . B >.C 40 C 5 < A - &0<EACB.-
; C= C<0 0 .0 BC.-. : C. /.B /< -=5 =/< C. 4. ; G-. .HB3
>-=BC.- 5<L 4A C / <GG.<-<4H. =4 < 4. AC>=E- 4A H<G.
/E-<@EL <40.0 =4 BC. >.<HC 0-<4L <40 H=5G=/.0 K.-/./
; BC BC. >-=BC.- E4B BC. H<GB< 4 /E5 5=4.0 C 5 C<HL =4
>=<-0 C. ; </ < A=4. <40 BC. K.-/./ C<0 >..4 ><0 :
=- /<@/ C. B -.ME -.0 BC. E4 B.0 . =-B/ = B ; = = BC. G<-B@
B= 5<L. =4. C<0 K.-/. <40 C. H=5G<-./ BC. K.-/.&5<L.-/ B=
B ; = /C.-5.4 <>=E- 4A < =4A ; BC < C.<K@ 4.B EG=4 BC. -
/C=E 0.-/ : <40 C. ; </ 4=BC 4A =BC B= -.J= 4 C / K.//.
! .B< 4.0 < B.- ; <-0/ <B 5 4<B= =- B.4 0<@/ 5<4@ G-./.4B/
; .-. /.4B B= =E- EHE E/ =4. = BC. 5 >. 4A < GC.</<4B
; C HC <HH=-0 4A B= <4 = 0 <G<4./. HE/B=5 ; </ <BB<HC.0 B=
< > =//=5 4A G E5&>-<4HC BC /=5. = BC. A B/ H<5.
K.-/./(C.-. / < /G.H 5 .41 :

% =E0.- BC<4 BC. H <5=E- = BC. ; C B. /E-A./ =4 @=E-
=4 ; <-0 G<BC ; >. BC. H-@ = 5 . ..G 4A BC<B <5 . B
>.C 40 R

Q BC<B ; .-. -.< @ /= C. 5E/B C<K. < K.-@ =EO K= H."R
/<@/ =E- = 0 - .40 ; C= 5E/B >. .NHE/.0 BC. /H= =4 BC.
A-=E40 = BC. 5G<B .4H. ; C HC 0. <@ ; =E 0 4<BE-< @ >.A.B
B .4ABC BC.@ ; .-. E40.- ; . AC <A< 4(<40 G<// 4A < A-=K.
= <4H .4B -/ A-= ; 4A 4.<- BC. /.< ; JBC /B=-L/ @ 4A <>=EB
<5=4A BC. - B=G/ C. ; -=B. BC. K.-/.1 :

Q </B 4A 5@ A <4H. =K.- BC. /.<(=4 .<HC -&B-.. B=G <
/B=-L C</ C / 0 ; . 4A(BC.@ C<K. >..4 H=5-<0./ =- <
BC=E/<40 @.<-/ R :

< K.-/. 4=B < ; C B B-E.- =- 5=-. G=.B H< BC<B H<4 /..
BC<4 BC<B <B ; C HC C. /H= .0 >. =-. EB ; C= BC<B -.I
5.5>.-/ BC. .<- @ G<//<A./ = B.-<-@ <-5/ >.B ; ..4 <
E ; .- <40 < .44@/=4 BC. W . ; 5=4 3 <40 W H > &
<0./"3 ; C=

G -(*2 *-10 (0* & - ' / ;
/2 2 2 (0* : ((:* =*'((= (*H

$' 0 0 A , A ' B' 0. - , -

'0-:' + /2* ' -(' (0*'*' :2' '-^ *69(**.*2')* ' & * '' /' (0*' '*-6' =*-10' &' , - . -/' -' (0 %'-/2' 7*- '' -; ' '-7 /;' -' '3- (' (0 /;' ' (+ ' -(' *-10' (0* F'' *>.*/'*'T

4' BC=/.' 0<@/'' <40' 4' K.-@' /5< ' K.//. /'' 5G. .0' 5< 4 @' >@' =<-/'' </' ; </' BC /'>=<B' = ' /E-<@EL '' BC.' 5<- 4.-/' H</B' BC. -' /5< ' <4HC=-/' =-' BC.' 4 ACB' J <40' C.-.' D< ; <@/' ME=B 4A' -' /B=43/' A-<H. E ' B-<4/ <B =4F' /' =E-' G=.B3/' 0./H- GB =4' = ' BC.' 4 ACB < 1 Q' C /B' ; .'-= ; .0' < =4A' A<? 4A' =4' BC /' /H.4.'' BC.' 5=E4B< 4/' <40' BC.' /.<' >.H<5.' < ' 0<-L'' BC.' 4 ACB' 0..G.4.0'' <40' .</B' <40' ; ./B' H=E 0' 4=B' >.' /..4'' /=' ; .' .4B-E/B.0' < ' =E-' BC=EACB' = ' BC.' ; .<BC.-' B=' BC.' 5 40' = ' BC.' 5</B.-' = ' =E-' /C G ' K.4' BC.' 5.4'' ; C=' ; .-.' 4=B' <HHE/B=5.0' B=' BC.' /.<'' >.H<5.' K.-@' /<0'' <40' /B ' 5=-.' BC.' ; =5.4'' ; C=' -./B.0' BC. -' C.<0/' =4' BC.' >=BB=5' = ' BC.' /C G' <40' 0 0' 4=BC 4A' >EB' ; ..G ' C.' /< =-/'' C= ; .K.-'' /..5.0' B=' BC 4L' 4=BC 4A' = ' B'' <40' /<4A' BC.' = = ; 4A' >=<B&/=4A R' .' A K./' <' . ;' 4./' = ' B'' <40' BC.4' G-=H..0/' 1 Q' C.-.' ; </' <' A-.<B' 0.< ' 5=-.' = ' BC /' L 40 = ' /BE B3' >EB' ' 0=' 4=B' ; - B.' B' 0= ; 4 ' /B.4 4A' B=' BC.' <EACB.-' <B' BC./.' K.-/./'' =E-' C.<-B/' >.H<5.' /=5. ; C<B' H< 5.0'' 4' /G B.' = ' BC.' -<A 4A' = ' BC.' /.< ' B' ; </' ME B.' 0<-L' ; C.4' ; .' <B' .4ABC' -.<HC.0' =E-' <4HC=-<A.' =-' BC.' 4 ACB R' C-..' 0<@/' 5=-.' >-=EACB' BC.5' B=' E-=B/E' DH =/.' B=' BC.' .</B.-45=/B' = ' BC.' /=EBC.-4' G.4 4/E <' = ' C L=LEF'' <40' BC.-.' BC.@' <40.0' <40' B==L' <' ><BC ' C.' 0 <- /B' B. /' E/'' 4' BC /' 0<@3/' .4B-@'' BC<B' 4=' =4.' ; =-.' /H<- .B' =-' =BC.-' - HC' H= =E-/' 4' BC.' K.//. ' ./B' BC.@' /C=E 0' 4HE-' BC.' <4A.-' = ' BC.' A=0/' = ' BC.' /.<' B.-' K.' 0<@/' BC.@' /< .0' <A< 4'' K.-@' .<- @' 4' BC.' 5=-4 4A'' ; BC' BC.' 5==4' /C 4 4A' =K.-' <' ; <K.I ./' =H.<4'' ; C HC' -. .HB.0' BC.' /L@' /=' G.- .HB @' BC<B' BC.' B ; =' H=E 0' 4=B' >.' 0 /B 4AE /C.0 ' C.4' C.' ; -=B.' BC /' /B<4?<(:

Q' C<B' /' BC /' BC<B' /B- L./' <A< 4/B' 5@' =<-' </' BC.' >=<B' /' -= ; .0' < =4A' =K.-' BC.' 5==4' = ' BC.' /.<&0.GBC/' V /' B' BC.' >E/C' = ' BC.' 5<4' 4' BC.' 5==4' V R

B' <4=BC.-' B 5.'' ; C.4' /< 4A' 4' H=5G<4@' ; BC' <' <-A.' 4E5>.-' = ' =BC.-' JE4L/'' C.' ; -=B.'' B=' 5@' 5 40' 5=-.' G-.BB @ :'

Q' B' /' /G- 4A'' >EB' B' /..5/' </' ' =K.-' BC.' /.<' BC.' .<K./' = ' <EBE54' <-.' >. 4A' /H<BB.-.0 R

ˢ G</ˢ=K.-ˢ 5EH ˢ = ˢ BC.ˢ 4<--<B K.'ᶠ G<E/ 4Aˢ B=ˢ =>/.-K.ˢ BC<Bˢ <Bˢ =4.ˢ G <H.'ᶠ ; C.-.ˢ BC.-.ˢ ; .-.ˢ 5<4@ˢ >.<EB Eˢ /C. /ˢ EG=4ˢ BC.ˢ >.<HC'ᶠ /E-<@ELˢ H=5G=/.0ˢ BC./.ˢ 4./ˢ 4ˢ < E/ =4ˢ B=ˢ <ˢ /C. ˢ ; C HCˢ BC.ˢ <G<4./.ˢ H< ˢ BC.ˢ A, * # ˢ =-ˢ Qˢ/C. ˢ =ˢ =-A.B E 4.//ˢ R1 :

ˢ ; =E 0ˢ 0./H.40ˢ -=5ˢ 5@ˢ /C Gˢ B=ˢ A<BC.-ˢ BC.ˢ /C. ˢ =ˢ =-A.B E 4.//ˢ =ˢ =4.ˢ =-ˢ ; C=5ˢ ˢ <5ˢ .0ˢ ; BCˢ /=--= ; Eˢ =4A 4Aˢ ! =ˢ @.'ᶠ ˢ @.ˢ <0K<4H 4Aˢ /E-A./'ᶠ 0- K.ˢ Bˢ =- ; <-0ˢ B=ˢ BC.ˢ /B-<40"R

.ˢ < B.- ; <-0/ˢ /<@/'ᶠ G<BC.B H< @ˢ .4=EAC'ᶠ BC<Bˢ BC.ˢ B-E.ˢ ; /Cˢ = ˢ C /ˢ C.<-Bˢ ; </ˢ 4=Bˢ B=ˢ =-A.Bˢ C.-ˢ ; C=5ˢ C.ˢ C<0ˢ =/B'ᶠ >EBˢ =4 @ˢ B=ˢ A K.ˢ /EHCˢ -./G B.ˢ B=ˢ C /ˢ /=--= ;ˢ BC<Bˢ Bˢ 5 ACBˢ < B.-I ; <-0/ˢ A< 4ˢ A-.<B.-ˢ /B-.4ABC ˢ C.4ˢ = = ; /ˢ BC.ˢ G<//<A.ˢ <>=EBˢ BC.ˢ G-=G B <B =4ˢ = ˢ BC.ˢ /.<&A=0'ᶠ -/Bˢ ; BCˢ * ˢ <40ˢ BC.4ˢ ; BCˢ C /ˢ 5 --=-'ᶠ ; C HCˢ ˢ ME=B.0ˢ 4ˢ <ˢ =-5.-ˢ HC<GB.-ˢ B.-ˢ 5<4@ˢ /B=-5/ˢ <40ˢ 0. <@/ˢ BC.@ˢ .4B.-.0ˢ BC.ˢ /<Lˢ - K.-& ˢ BC.ˢ G<//.4A.-/'ᶠ 5.4'ᶠ ; =5.4'ᶠ <40ˢ HC 0-.4'ᶠ ; .-.ˢ =K.-I J=@.0ˢ <Bˢ -.<HC 4Aˢ BC /ˢ G= 4Bˢ = ˢ BC. -ˢ K=@<A.'ᶠ <40ˢ H </G.0ˢ BC. -ˢ =-.C.<0/ˢ ; BCˢ BC. -ˢ C<40/ˢ 4ˢ .H/B</ ./ˢ = ˢ 0. ACBˢ <40 4Aˢ <Bˢ <5<?<L '' =E-ˢ = 0ˢ <- /B=H-<B Hˢ - .40ˢ / .4Bˢ =-ˢ C /ˢ >E =HL&H<-Bˢ -=5ˢ # =B='ᶠ</ˢ>. BB.0ˢ <ˢ 5<4ˢ = ˢ C /ˢ -<4L'ᶠ<40ˢ =4ˢ B/ˢ <-- K< ˢ /B<-B.0ˢ =-ˢ BC.ˢ H<G B< ˢ .ˢ 4=B H.0ˢ BC.ˢ /C=J*/ˢ < ˢ C.ˢ ; .4Bˢ < =4A'ᶠ ==L 4Aˢ .N<HB @ˢ </ˢ ; C.4ˢ C.ˢ ; .4Bˢ < ; <@'ᶠ <40ˢ ; =40.-.0ˢ ; C.BC.-ˢ C.ˢ ; =E 0ˢ 40ˢ </ˢ BB .ˢ HC<4A.&ˢ 4ˢ BC.ˢ C.<-B/ˢ = ˢ C /ˢ - .40/ ˢ @ˢ C /ˢ = ; 4ˢ <--<4A.5 .4B'ᶠ C.ˢ <-- K.0ˢ <Bˢ C /ˢ C=5.ˢ >@ˢ 4 ACB1 :

Q C.ˢ 5==4ˢ ; </ˢ /C 4 4Aˢ >- ACB @ˢ ; C.4ˢ ˢ -.<HC.0ˢ 5@ˢ C=E/.ˢ <40ˢ .4B.-.0ˢ BC.ˢ A<B.'ᶠ /=ˢ BC<Bˢ B/ˢ H=40 B =4ˢ ; </ˢ G < 4 @ˢ B=ˢ >.ˢ /..4ˢ Bˢ ; </ˢ 0.H<@.0ˢ <40ˢ -E 4.0ˢ >.@=40ˢ < ˢ0./H- GB =4ˢ : ; =-/.ˢ .K.4ˢ BC<4ˢ ˢ C<0ˢ>..4ˢ B= 0ˢ C.ˢ C.<-Bˢ = ˢ BC.ˢ 5<4ˢ 4ˢ ; C=/.ˢ HC<-A.ˢ ˢ C<0ˢ . Bˢ Bˢ ; </ˢ 4ˢ <4ˢ .ME< @ˢ 0 <G 0<B.0ˢ H=40 B =4ˢ C.ˢ .4H.ˢ >.B ; ..4ˢ BC.ˢ B ; =ˢ C=E/./ˢ C<0ˢ >..4ˢ >-=L.4ˢ 0= ; 4'ᶠ /=ˢ BC<Bˢ >=BCˢ /..5.0ˢ >EBˢ =4.'ᶠ <40ˢ C.ˢ <GG.<-.0ˢ B=ˢ C<K.ˢ E .0ˢ C /ˢ HC<-A.ˢ >@ˢ ==L 4Aˢ 4ˢ BC-=EACˢ BC.ˢ A<G/ˢ 40ˢ @.Bˢ ˢ C<0ˢ /EGG .0ˢ C 5ˢ >@ˢ .K.-@ˢ =GG=-BE4 B@ˢ ; BCˢ BC.ˢ 5.<4/ˢ = ˢ L..G 4Aˢ Bˢ 4ˢ -.G< -ˢ =&4 ACB'ᶠ C= ; .K.-'ᶠ ˢ ; =E 0ˢ 4=Bˢ < = ;ˢ C 5ˢ B=ˢ >.ˢ B= 0ˢ BC /ˢ 4ˢ <4ˢ <4A-@ˢ B=4.'ᶠ >EBˢ 4ˢ/G B.ˢ =

<5=/8 0. ACB E 0<@ /G.4B 4 BC. 5 0/8 = -=5<4B H
/H.4.-@16 <4016 >. 4A B-<4/ <B.0 -E4/ BCE/1 :

Q) -..B 4A <A==0 AE./8 ; BC /G- 4A ; 4.16 5=E4B< 4/
<40 - K.-/ < /..5 B=G<-B H G<B. 4 =E-0. ACB(R
; C HC16 4 4A /C K.-/.16 5 ACB G.-C<G/ BCE/ >. -.40.-.01 :

? **(/; - +*:1 3* ;%*'(/ '. /; + (0 + /*
%/(- /' -/2)* ' '0- * (0*5 7 2) /* H

C. =BC.- ;</ 0./ A4.0 B=H. .>-<B. BC. 5EBE< 0. ACB <40
A==0& . = ; /C G ; C HC 5.4 5 ACB .. BC=EAC >. =4A 4A B=
/.G<-<B. <40 0 /B<4B 4<B =4/16 <40 ; </ BCE/ B-<4/ <B.0 1 :

Q .B - .40/ 4=B /B<40 EG=4 H.-.5=4@ <5=4A .<HC
=BC.-16 >EB C<K. J=@16 ; BC BC. 4<B =4/ = BC. ; =- 016 / BB 4A
</ B ; .-. B=A.BC.-16 <40 >-.<BC 4A BC. ; 40/ = /G- 4A R

$=.B-@16 =- ; C<B / L4= ; 4 4 <G<4 </ /EHC16 C</ >..4
H=5G=/.0 BC.-. -=5 BC. .<- ./B 0<@/ Z B ; </ =- A 4< @
/EGG=/.0 B= >. 0. K.-.0 ; BC H .<- 4B=4.0 H<0.4H.16 >EB
/ 4H. BC. 5 00 .<A./ = <G<4 BC.-. C<K7 >..4 B ; = L 40/16
=4. B= >. -.<0 <40 BC. =BC.- B= >./E4A C. =-5.- L 40
E40.- ; .4B A-.<B 0.K. =G5.4B %-././ ; .-. E/E< @ . BC.-
= K. =- = /.K.4 /@ <> ./ 4 .4ABC16 >EB =BC.-/16 = / N <40
= . ACB /@ <> ./16 ; .-. /=5.B 5./ H=5G=/.0 C. .4ABC
= BC. /B<4?< ; </ 4=B N.016 >EB B 5=/B -.ME.4B @ H=4I
/ /B.0 4 <B.- B 5./ = BC -B@&=4. /@ <> ./ $=.B-@ -/B
>.H<5. < 0 /B 4HB <-B 4 <G<4 <>=EB BC. @.<-
C. K<- =E/ /B@ ./ = G=.B-@ C<K. >..* H </ /.0 <HH=-0 4A B=
/ N G.- =0/16 >EB BC. - -./G.HB K. HC<-<HB.- /B H/ H=E 0 4=B
>. .NG < 4.0 ; BC=EB < A-.<B.- </ / A45.4B = /G<H. B= BC.
/E>J.HB BC<4 H<4 < =-0 E H. B B=/<@ BC<B <G<4./.
G=.B-@ 0=./ 4=B 0.G.40 =- B/ 5.- B/ EG=4 -./.5> <4H./ 4
/=E40 4=- EG=4 ME<4B B@16 4=- EG=4 -C@5. B/ HC<-<HB.- /B H
/ $ <4016 </ < -.<0@ 4B 5<B.016 B/ 4./ <-. < B.-4<B. @
= K. <40 /.K.4 /@ <> ./ 4 .4ABC(< 0.G<-BE-./ -=5
BC / <-. --.AE <-16 <40 4 / 4A 4A /EHC 0.G<-BE-./ <-.
. 5 4<B.0
G.H 5.4/ = <G<4./. G=.B-@ C<K. >..4 C<40.0 0=; 4
-=5 K.-@ .<- @ G.- =0/ 40..0 4 BC. W$C <0. GC <

NC > B' 3 D/=' -.ME.4B @' <0K.-B.0' B=' >@' 5.F' /' A K.4' <' >- . ' G=.5' >@' <' G.-/=4<A.' = ' BC.' A-.<B./B' 0 A4 B@' <40' <4B ME B@' : 4=' =BC.-' BC<4' BC.' A=0' E/<4==" BC.' E4-E @' >-=BC.-' = ' BC.' /E4&A=00.//' .' ><0' >E B' <' G< <H.' 4' 0?E5=' =-' C 5/. ' <40' ; .' B=' -.B -.' 4B=' < B.-' BC. -' 5<-- <A." <40' EG=4' BC.' H =E0/' A<BC.- 4A' BC HL @' <>=EB' B' C.' H=5G=/.0' BC.' = = ; 4A' 4./1 B' ; ' >.' =>/.-K.0' BC<B' BC.@' H=4/ /B' = ' K." /.K.4" K." /.K.4" <40' /.K.4' /@ <> ./' -./G.HB K. @1 :

`' -' 8%3 ' (-' ('%
2A%3 ' 7-67*6;-8 N
'%3-6; 3 ' / '
-67*6;-8 ' ('%8% %
/ ' 7-67*6;-8 ' + ↑H

' BC./.' 4./' -' $ =E40./' A K./' BC.' = = ; 4A' B-<4/ <B =41 :

?' # %/(:*'" . : /;' 1: %2'"
2 E3 F'' 187' 0* ;0('' */)*: .N
7' '. %'*' (0* *' 0-)*' ' .:-1*2
' &*/1*' - %/2' 0* ' - '*2
7' '(/;' - 3' . (*1('' 0* H

C /' /' 0=E>B ./.' <' K.-@' -.' B-<4/ <B =4" ./G.H < @' 4' BC.' </B' 4.' -' /B=4' A K./' BC.' = = ; 4A" ; C HC' /' G-=><> @' <' 5EHC' 5=-.' B.-< " < BC=EAC' <' .//' K< =-=E/" =4.' 1 :

G' -/7' 1: %2'" - '*
0*' 1: %2'" +0 10' 1 3*' & (0' - *' -' 3-/ & :2' &*/1*
4 ' (0*' 0%'=-/2' -/2' + &*' (' *(*' + (0 /
0*7' 0-)*' & 3*2' -' 3-/ & :2' &*/1*
' (0-(' 3-/ & 8:' &*/1*TH

C<B.K.-' 0.A-..' = ' < BC E 4.//' BC.-.' 5<@' >.' 4' . BC.-' B-<4/ <B =4" B' /' /<B / <HB=-@' B=' 40' BC<B' E/<4==" C= ; .K.-' ><0 @' C.' 5<@' C<K.' >.C<K.0' B=' C /' / /B.-" ; </' < 0=5./B H' G.-/=4<A.' < B.-' < " =-' C.' ; =E 0' 4=B' C<K.' >-=L.4' =EB' 4B=' G=.B-@' =4' 40 4A' C 5/. ' /=' BC=-=EAC @' /CEB' 4' >@' H =EO& .4H 4A/' ; BC' C /' ; .' #E/C 4<0<&C 50

4=BC.-' K.-@' >- . ' <40' 5EHC' 5=-.' HE- =E/' G=.5' C</' H=5.' 0= ; 4' -=5' BC.' 0 K 4.' <A.' C /' /' BC.' Q' / N&/@ <> .' /=4A' =-' HC<-5' = ' 4E5>.-/' R' ; C HC' ' C<K.' <0K.-B.0' B=' 4' BC.' HC<GB.-' =4' BC.') =0&G.- =0' </' C<K 4A' >..4' /E4A' >@' BC.

A=00.//' '?E5.' 0E- 4A' BC.' .4B H.5.4B' =' BC.' /E4&A=00.//'
-=5' C.-' H<K.' $- 4B.0' 4' =5<4' .BB.-/' B' -E4/' BCE/'1:

G ('&%(-'3 7'
('%'3%7%'/-/-'
-'8 8 6/'(-'
3'10'7 2A% H

BC' <'/4A .'.NH.GB=4'' BC./.' ;=-0/' H=--./G=40' .N<HB @'
; BC' BC.' <G<4./.' ;=-0/' =-' BC.' 4E5>.-/' =4.' B=' B.4'' =4.'
CE40-.0'' =4.' BC=E/<40'' <40' B.4' BC=E/<40'' BC.' .NH.GB=4'
>.4A' =-' B.4'' 4/B.<0'=' BC.' ;=-0' <HBE< @'E/.09'
EB' -' <B=;'G=4B/'=EB' BC<B' BC.' ;=-0/' 5<@'>.' 4B.-G-.B.0'
4' ME B.' <'0 .-.4B' 5<44.-'' ;C HC' /' G-=><> @' BC.' H=--.HB'
=4.'' BC.' ;=-0/'.5G=@.0'>.4A' /E>/.ME.4B @' B<L.4' B=' /B<40'
=-' 4E5>.-/' C.' -/B' 4.'' 4B.-G-.B.0' <HH=-0 4A' B=' B/'
/.4/.'' /'' Q' .4` ==L' <B' BC.' 0'`R' ;C HC' /'.ME K< .4B' =-'
Q)=0/`' ==L' <B' BC.' H<K.-4'0==-`R' BC.'/.H=40' /'.ME K< .4B'
B=' Q' <J./B@' <GG.<-/` CE--<C`R' BC.' B -0' /'-.<0<>.' </'
Q' E-' C.<-B/' <-.' ME B.' /<B / .0"R' <40' BC.' =E-BC' </' Q' .C= 0'
5@'>=/=5' <40' 5@' 5>/'`R\' 4' BC.' HC<GB.-'>.=-.'-. .--.0'
B=' B' /' /<0'' BC.'-.<0.-' ;'-.5.5>.-'' BC<B' '?E5.' A=B' /='
.NH B.0' ; BC' C.-'/4A 4A' <40' 0<4H 4A' </' B=' .B' C.-'-=>.' < ''
<40' B' /' BC /' 4H 0.4B' BC<B' /' C.-.' < E0.0' B=' C.' ;C= .'
K.-/.'' BC.-. =-.'' -E4/' BCE/1:

G' 2'T: 8'-(' (0*'1-)* /'2 T
-5*'(7' -..*- 'T' 0% -0T
P' %'0*- ('' - *' &%::7' '-('&*2
9*0 :2' 37'=' 3'-/2': 3='TH

C.-.' /' .NB<4B' <' H= .HB=4'='<G<4./.' G=.5/'' H< .0'
6 2 *'0<B 4A' -=5' >.=-.' BC.' B.4BC' H.4BE-@' 4'
;C HC'' < BC=EAC' C 4./.' HC<-<HB.-/' <-.' .5G=@.0'' BC.' <I
G<4./.' /=E40/' <-.' -.40.-.0'' BC.' =-. A4' HC<-<HB.-/' >.4A

g' CE/1:'
B=&B/-' ' ' ' =4. <4<' B/E' ' /.K.4
EB<'''' ' ' ' B;= <' f' ' .ACB
' f'' ' ' BC-.. #=L=4='f' ' 4 4.
=' f' ' ' ' =E- =5=&HC' ' =4.'CE40-.0
('%' b' ' ' K. C &OJ' ' =4.'BC=E/<40
%' b ' ' ' /N =-=0?E ' B=4
(' (* -::7' G:: ;:'H

E/.0 GC=4.B H< @ =4 @ ' -' /B=4 A K./ BC.' =TE Z
B-<4/ <B =4 = ' =4.' = ' BC . / . 1 : ' ' *

G 9 7 (0* . -:-1* &4%(- ;
0* * % ' ; *-(8 %;'
/2 2) /* : 2
:2 ' 0 ; 0 %:*
/(: ' (0* '* &(0* 0 ::'
9*- /;' 0%/2 *2 ' &(**'
$:*-'-/(' (0* 3% 3% ' &(0* -. 2'
' 2 +/+- 2 (0*7 %'0
' : /;' -' /' (0* '. /;(3*
? 0*/' (0* / ;0(/;-:* 1 3*' -/2 ' /;'@
/' (0* 18'
9 1-2*6: 8* &: +* ' =: ' ' 3
9 ;0(*/ /;' (0* 3 %/(- /' & (N
' : /;' -' /' (0* -%(%3 /'
? 0*/' (0* '(-;' 1-::' (' 0 ' 3-(*@
0* *2 :E)*' &-::' 0 (0* ' -/2 (0 (0*
=E40.0 =7 BC.' /C=;.-/ :
: * 0*-)*/' =*61: %2 /;
4 ' 3-/7 (0 %'-/2 7*- '
-7 0 ' : &* :6@* . : /;*2
' %:*)* ' -::' %/2* ' 0*-)*/'
/' (0* ; *-(.-:-1*
*'(/*2 (' *3- /' %/10-/;*2
4 ' 0%/2 *2 ' &-;*' H

C=/.' ;C=' <-.' <HHE/B=5.0 B=' -. .H EG=4 BC.' /E>B .' 0. H<H ./' = ' <4AE<A.' 4 ;C HC 5EHC = ' BC.' HC<-5 = ' B-E.' G=.B-@ H=4/ /B/ ; ' L4=;' C=;' 5G=//>.' B /' B=' H=4K.@ 4 < B=4AE.' /=' < .4 </' /' =E-/' B=' BC.' <G<4./.' BC.' ME< B ./' BC<B 0. AC BC.' 4<B K.' -.<0.-' C.' BC=EAC B ;C HC < K.-/.' =-' < G=.5 .NG-.//./' 5<@ 0=E>B ./' >.' B-<4/ <B.0 >E BC.' /E>B .' /.4B 5.4 <40 =-5 .//' 5E/H = ' BC.' =- A 4< ' H 4A/' B=' B <40 /' 4=B /E/H.GB > .' = ' /.G<-<B =4 ' C /' /C=E 0 4=B >.' =-A=BB.4 4 -.<0 4A /EHC B-<4/ <B =4/ </' ' C<K.' ME=B.0 =-' 5<@ @.B ME=B.' 40 @.B =4.' H<44=B G.-E/.' 4./' L.' BC.' = =;4A B-<4/ <B =4 >@ -' /B=4 = ' < 0-<5<B H G<//<A.' -=5 < <G<4./.' 4B D/C=-B 0-<5<B H /L.BHCF ; BC=EB 0.B.HBI 4A /=5.BC 4A = ' BC.' HC<-5 = ' BC.' =- A 4< ' C.' G- 4H G< ' G.-/=4<A.' = ' BC.' G .H.' C<K 4A <44=E4H.0 BC<B C.' C</' >..4

% ' ' *

H=5 5 // =4.0 >@ BC. . 5G.-=- = C 4< B= /G@ =4B BC. 4B. A.4H. = BC. 4C<> B<4B/ = <G<4 BC. HC=-E/ /B- L./ 4 <40 BCE/ 0./H- >./ BC. K=@<A.1 :

G - /;& (0 0 ' '0 .
+ %:2) ' ((0 :-/2
& (0* B%- (*
& (0* ' /;' '%0
& (0* ' /;' '%/
' '0* '- :'
' '0* '- :''
4- ')* ' (0* +-)*6.-(:
& (0* *-'(* / ' '*-
9*0 /2 0* ' '*(' (0* '%/
P* ' 0* ' ' (0*) 2 & 0*-)*/
0* * (0* 1: %260-//* '
* '(:: = ;0(+ (0 0 ' -2 -/1*
/2 / +' (0* 3 / 1 3*' & (0N
/ (0* '-3* B%- (*
%/(- / ' - * & '(2*'1 *2N
* : /;
)*/ -((0* :-/2 & ,-.-/
* 0-(0 -)*2
* 0-(0 -)*2 H

B 5E/B >. <HL4=; .0A.0 BC<B BC / 0./H- GB =4 / K A=-I =E/ @ <40 4=> @ ; -=EACB

<K 4A -.ME./B.0 <GB< 4 - 4L .@ B= >. /= L 40 </ B= <K=E- 5. ; BC B-<4/ <B =4/ = < >- . /G.H 5.4 =- B;= = <G<4./. G=.B-@ ; BC BC. K .;' = 5@/. B-<4/ =-5 4A BC.5 4B= 4A /C K.-/. C. ;</ /= => A 4A </ B= A K. 5. BC. = =; 4A /.K.4 /C=-B G .H./V C. A< <4B B-<4/ <B=- C</ G.- =-5.0 C / G<-B /= ; . <40 4K./B.0 BC. H B<B =4/ ; BC /= 5EHC A-<H. <40 >.<EB@ BC<B B ;=E 0 >. / 4 E @ G-./E5GBE=E/ 4 5. B= B=EHC BC.5 BC.-. =-. : < BC=EAC ; BC=EB C / G.-5 // =4 . A-.B B= /<@ : A K. BC.5 </ BC.@ H<5. -=5 C / G.4 1 :

G *'(/*2 -(:-'((=*1 3 * .- (&(0* 3 ;0(7 1*-/
0*)-::*7 %/:*(1 **.' 7*(- 3 3*/(%/2* ' (0* 2 ./&(
:*-&:*(' H

G ' 0 3 ' (0-('**8' (0* .-(0 &) (%* + (0 ' /1* (7 '
0* ;%- 2 -/'0 . & (0* ; 2' 1 3*' %/' : 1 (*2 H

$' 0 0 & A, A' B' 0. , - 'C

G ::- /' -/2' 3*' '/ +' -/2' : - :' 2 '(/;% '0' (0*3' *)* ' ' + '*:7'
$%::*/' 2' (0*7' / (' -::' =*1 3*' (0*' '*:&6'-3*')*' &' (0*'
)-::*7SH

G' 0*' '(3' (0-(' '0 *2'' (0*' =: '' 3' (*::'' (0*' '(7' &' ' :)*'N
/*> -=:*' (+- 2'' -::' '(*-:'' (0*' '*-' /' &'2*1-7 H

G'4- ' -'' (0*' =: '' 3F'' ' &(:7' &-:: /;' '/ +&:-8*''
'' (0*' B% *(' 2*1-7' &' -' .*' :2' -;* H

G ' .** :*''' '-;*' +-'' + /*' (' (0*' '-;*'' &' :2
#:*- /;' & 3' : &*' (0*' 1: %2'' &' ' +' -/2' 2*5*1(/
' 2 -%;0(' : '*2' (0*' (/;%*' &'1 /)* '*' -/2' 3* 3*/(
' '*1 /2' +-8*/*2' (0 %;0('' &' (0*' 2-7'' (0-(' +* *' / ' 3 *
/2' -' (0 2' '(*2' (0*' 10 2'' &' . *'7' -/2' ' /;
9%(' / +' + (0' (0*' :%'(' &' : B% ' 1 3*' 2 ''*/' /
;/ -/1*' 1 3*' -/2' /*;:*1(' &' -::' (3*F'' 2%(*'
-8/;' &' : &*' -' 2 '' :%(*' '(* : (7
9:-3*' +L*' (0*/' (0*' + /*' ' (0*' 0*- (' &' (0*' 2 /8*'SH

` 7.*'' &' % ' 10 :2 */' - *' (0*' (/7' ; -''*'
/2' -/2' & -; :*' /' (0*' -3.:*' 3 :-/2
' 8/ +' / (' (' +0-(' & -; -/1' (0* ' /&-/(' '. %('' 3-7'
=: '' 3
' + '(' (' +0-(' '+**(/*''' (0* ' %/= /' & % ('' 3-7' .*/
9%(' 0 . /;' *)* ' +- (' (::' -%(%3/' (*::'' (0* ' '(7
0' 10* '0*2' 10 :2 */' 3-7' 7*' /*)* ' .* '0
4: +1 :*'' ' & % (:*'' ' /' (0*' *- :7' '. /;(3*
' : 8*' (0 '' .*(-:' (-3.:*2' =7' (0*' +-7' 2*
4-::' /' (0*' &%::* ' . 3 '*' &' 7 % ' . 3* H

C./.' .NB-<HB/' <-.' <5G .' B=' /C=;' BC<B' BC.' 4<B K.' B.-<I
BE-.' =' <G<4' H=4B< 4/' 5EHC' BC<B' /' G=.B H' 4' BC.' B-E.'
/.4/.' =' BC.' ;=-0' <L 4A' B=A.BC.-' BC.' G<//<A./' ;C HC' '
C<K.' ME=B.0'' ;.' C<K.' G-== ' BC<B' B' /' 4=B<> .' =-' BC.' H=5I
> 4<B =4' =' 5<4 @' G=;.-' ; BC' .5 4 4.' 0. H<H@' <40' >.<EB@'
=-' /' BC /' /E-G-/ 4A'' =-' ;C .' B.-<BE-.' /' 4' BC.' 5< 4'
BC.' G-= .// =4' =' 5.4' 4' <G<4'' ;=5.4' C<K.' 4' K<-=E/' <A./'
<HC .K.0' A-.<B' 0 /B 4HB =4' 4' B' 40..0'' 0E-4A' BC.' =4A'
<40' -.G.<B.0' G.-=0/' =' H K ' ;<-'' ;C.4' BC.' 5.4' =' <G<4'
;.-.' 0.K=B 4A' BC.5/. K./' B=' 5EBE<' / <EACB.-' E40.-' <5I
> B =E/' =<0.-/ : </' 5.4' C<K.' >..4' B==' -.<0@' B=' 0=' 4' =BC.-'
<A./' <40' 4' =BC.-' H=E4B-./' </' ; . ' </' 4' <G<4 : BC.' ;=5.4'
=' BC.' <40'' B=' BC. -' .40E-4A' A =-@' >.' B' /< 0'' 4=B' =4 @'
/E/B< 4.0' BC.' B.-<-@' <-B'' >EB' .N< B.0' B' B=' <' A-.<B.-
D' 2

.5 4.4H.' BC<4' BC<B' B=' ; C HC' 5 .4' C<0' .K.-' -< /.0' B ' B' /' H=4/ 0.-.0' >@' /=5.'" B' ; ' C.' -.5.5>.-.0'" BC<B' @.B<4=' -.'" ; C=' H=5 5 BB.0' BC.' /<H-.0' 9 ' B=' 5.5=-@'" <40' C<40.0' B' 0= ; 4' B=' < ' B 5.'" ; </' <' ; =5<4'" <40' B' ; </' H.-I B< 4 @' 0E- 4A' BC.' -. A4' <40' E40.-' BC.' <HB K.' G<B-=4<A.' = ' <' ; =5<4' BC<B' BC.' ; =-L' ; </' <HH=5G /C.0' G.<L 4A' = ' BC.' B 5.' = ' / K-<@EL' D=E-' = 0' - .40' BC.' .N&A=K.-4=-' = ' =/<' <' BC=E/<40' @.<-/' <A=F'" - ' /B=4' >.<-/' BC /' 5=/B' -.5<-LI <> .' B./B 5=4@1 Q' C.' .<-4.0' ; .-.' <B' BC /' B 5.' 0.K=B.0' B=' BC.' /BE0@' = ' C 4./.'" <40' -<-. @' H=5G=/.0' 4' <4@' =BC.-' <4AE<A.'" ; C /B' BC.' HE B K<B =4' = ' BC.' <G<4./.' <4AE<A.' ; </' 4' <' A-.<B' 5.</E-.' <><40=4.0' B=' ; =5.4' B' /' C=4=E-I <> .' B=' BC.' ; =5.4' = ' <G<4' BC<B' BC.@' 4=> @' 0 /HC<-A.0' BC.' B</L' ; C HC' 0.K= K.0' EG=4' BC. 5' = ' 5< 4B< 4 4A' BC.' H-.0 B' = ' BC. -' 4<B K.' B.-<BE-.' ' >. .K.' 4=' G<-< .' /' B=' >=' =E40' 4' BC.' C /B=-@' = ' E-=G.<4' .BB.-/' B=' BC.' -.5<-L<> .' <HB' BC<B' <' K.-@' <-A.' G-=G=-B =4' = ' BC.' >./B' ; - B 4A/' = ' BC.' >./B' <A.' = ' <G<4./.' B.-<BE-.' ; </' BC.' ; =-L' = ' ; =5.4' C.' E ' 6 # ' BC.' <HL4= ; .0A.0' /B<40<-0' = ' BC.' <4AE<A.' = ' BC.' G.- =0' B=' ; C HC' B' >. =4A/'" <40' BC.' G<-.4B' = ' BC.' <G<4./.' 4=K.'" ; </' ; - BB.4' >@' <' ; =5<4'" </' ; .-.' < /=' BC.' ' 6 # ' BC.' 6 < ' F ' <40' 5EHC' = ' BC.' G=.B-@' = ' BC.' B 5.R' B' /' B=' BC./.' <HB/'" G-=><> @'" BC<B' ; .' 5E/B' ==L' =-' BC.' =- A 4' = ' BC<B' 0. H<H@' = ' /.4B 5.4B' <40' .NI G-.// =4'" 4' <' B.-<-@' /.4/.'" ; C HC' /= B.4/' <40' <0=-4/' 4.<- @' < ' BC<B' = ; /' B=' E/' -=5' H </// H' <G<4./.' B.-<BE-.' BC-=EAC' BC.' HC<44. /' = ' B-<4/ <B =4 ' =-' <-.' ; .' ; BC=EB' B./B 5=4@' B=' B/' >.<EB@' -=5' BC=/.' ; C=' <-.' <5 <-' ; BC' B' 4' BC.' =- A 4< ' Q' B' ; =E 0' C.' C<-0"R' /< 0' - ' C<5>.- < 4' 4' <' 0 /HE// =4' <B' BC.' / <B H' =H .B@'" Q' 4' BC.' 5. E=E/' H </// H<' <4AE<A.' = ' <G<4'" B=' 40' =4.' ; =-0' ; C HC' /' ./' .EGC=4 =E/' BC<4' <4=BC.-' 1 4' BC<B' B=4AE.'" /=' 0 .-.4B' -=5' BC.' /.5 & C 4./.' J<-A=4' = ' BC.' G-./.4B' 0<@'" .K.-@' /@ <> H' /' <' 0. ACB' B=' /B.4' B= R

C.' A.4B .5<4' JE/B' ME=B.0'" 4' <4' <> .' G<G.-' -.<0' >. =-.' BC.' /=H .B@' -. .--.0' B='" .NG < 4.0' /=5.' HE- =E/' . .5.4B/' 4' < F<4./=' B.-<BE-.' ; C HC' C<K.' >..4' H< .0' Q' G = ; & ; =-0/ 33 C./.' C.' H=4/ 0.-/' B=' >.'" < B.-' BC.' H<0.4H.' = ' BC.' < B.-4<B&

4A' K.&' <40' /.K.4&/@ <> .' 4./'" BC.' HC . ' HC<-<HB.- /B H' = ' BC.' H </// H<' G=.B-@' = ' <G<4 ' C.' G = ; & ; =-0/' <GG.<-' B=' C.' ; =-0/' ; C HC' =4H.' C<0' <' 5 .<4 4A'" >EB' ; C HC'" C<K 4A' < .4' =EB' = ' / A4 H<4H.'" <-.' E/.0' =-' BC.' /EHH..0 4A' / A4 H<B K.' ; =-0' B=' Q' -./B' B/' C.<0' R' EG=4'" /=' B=' /G.<L ' C.' Q' G = ; ' 33 =-' BC.' K.->' ' 2 ' =-' .N<5G ."' /' <' ; =-0' / A4 @ 4A' Q' 4' BC.' 5<44.-' = ' <' ; ..G 4A' 4 <4B R' C.' /E>J.HB' /' B==' <>I /B-E/."' C= ; .K.-'" B=' GE-/E.' C.-."' < BC=EAC' B ; =' 4<B K.' <EBC=-/' -.H=-0' </' 5<4@' </' / N' CE40-.0' <40' / NB@&/.@.4' G = ; & ; =-0/'" <40' .NG < 4' BC. -' E/.' ' .N<5G ./' = ' GE44 4A'" =-' G <@ 4A' EG=4' ; =-0/'" ; C HC' /' < /=' <' H=55=4' B.-<-@' 0.K H.' 4' <G<4'" -' C<5>.- < 4' A K./'" <5=4A' =BC.-/'" BC / :

G -('%' ; -' / ' /
-('%' 8 (' (0 / H' *(1

; C HC' /' 4.<- @' B.-< @' -.40.-.0' 4B=' 4A /C'" GE4' <40' <'" >@

G' 8*' (' (0*' 5, 16(**' ' ' 3 %'(' '(-/2' -/2' * C

! ./ - 4A' B=' E-4 /C' 5@' -.<0.-/' ; BC' <' /G.H 5.4' = ' 5=0.-4' <G<4./.' 5=0./' = ' BC=EACB' <40' .NG-.// =4'" >EB' 0<B 4A' -=5' >. =-.' BC.' 4K</ =4' = ' =E-' H K /<B =4'" ' C<K.' /.<-HC.0' =-' </E B<> .' .N<5G .'" <40' C<K.' =E40' B' 4' BC.' -.H=-0/' = ' =5I 5=0=-.' $.--@3/' .NG.0 B =4 ' ' C 4<5<4'" C<K 4A' .5><-L.0' -=5' C 4<' 4' BC.' 5.- H<4' /ME<0-=4' ; C.4' <>=EB' B=' .<K.' =-' <G<4'" L.GB' <40' < B.- ; <-0/' GE> /C.0' <' J=E-4<' = ' C /' K / B' C .' @ 4A' = ' =L=C<5<'" <' .<-4.0' <G<4./.'" <5=4A' =BC.-/'" K / B.0' BC.' /ME<0-=4'" <40' 4ME -.0' -./G.HB 4A' BC.' B-=E> ./' BC.4' .N /B 4A' 4' C 4<' C.' C 4<5<4' /C=; .0' C 5' <4' <HH=E4B' = ' BC.' C 4./.' 4/E--.HB =4' ; C HC' C.' C<0' 0-< ; 4' EG'" <40' <' >==L' =4' BC.' G- 4H G ./' = ' A==0' A=K.-45.4B' C./.' BC.' <G<4./.' A.4B .5<4' >=--= ; .0'" <40' < B.- ; <-0/' -.I BE-4.0'" B=A.BC.-' ; BC' <' .BB.-' .NG-.// 4A' C /' = ; 4' =G 4 =4' $-=5' BC<B' .BB.-' ' B<L.' BC.' = = ; 4A' B-<4/ <B.0' .NB-<HB/'" =>/.-K 4A' BC<B' BC.@' ; .-.' ; - BB.4' <B' <' B 5.' ; C.4' BC.' H=E4B-@' ; </'" <40' C<0' >..4' =-' B ; =' H.4BE- ./' <40' <' C< ' <B' .</B'" H=5G .B. @' H =/.0' B=' =-. A4.-/' D.NH.GB 4A' BC.' 0 /B<4B' G=-B' = ' <A</<L F' C.' <G<4./.' ; - B./'1 :

G' '' ' 0-)*' '0%(' %.' 7 % ') :%3*' 37' &**: / ; '' 0-)*' & %/2')*/(' /' ' ;0' ' ' ' ' ' 0*' *' ' */(-:' *) :' &' '%10' -' '(-(*' -'' #0 /-' 3 -7' =*' :*' 1 =12

/ - ' / ; : . 0 - ' (' (: * 2 *' * & ; - / ' + ' (0* 2 *' * & ; - / ' ' 1 3 3 / (' - : 3 * / ' - / 2 ' (0* . *; / - / (+ 3= & - : *) : ' # /&%1 %' '*:2 3 ' . 8* & ; - / ' + '0 / ; ' (' 10*18 (0* :%'(& (/ (' ' % 1* 0 ' ' - :' ' + - ' (0* *- '*/ ' + 07 3 7 - / 1*'(' 1%(&& - : / (* 1 % '* & & * ; / ' / - (/ ' + (0 , - . - / ' =*1 - %'* (0* 2 *' * & ; - / ' :*2 ' - '(- 7 (0* ; / - / (. * . :* ' - / 2 + / 2* &%: - (' / (0* /) *'(; - (/ & . /1 . :*' 2*1*) *2 (0* . *) * '* ' ' (0 - ((0*7 ; (' '( ) / ; ' (; *(0* ' '**8 / ; ' ; - / - / 2 0% 7 / ; -&(* ' + 0 - (+ - ' + / 2* &%: ' (: : & : - : 2%(7 ' 3 2*'(7 ' - / 2 (0* '*/ '* &LJ0 - 3 * + * * - : & ; ((*/ ' ' - 3 - / + 0 ' 0 - ' *-10*2 (0 ' '(- ; * &*) : ' / * (0* ' 0 ' &-(0* ' / ' 0 ' ') * * ; / ' ' - / 7(0 / ; H

. A=. / =4 1 :

G 0* + - 7 ' & *-) */ - * ; *- ((/ % '0*' - : (: / ; ' / (0* %/) * '*)*/ - 3 / ; (0* 2 - 8 1 %/ (*' + 0 2 + *: =7 (0* 17 '*- (0* * ' / (- / / 2) 2%- + 0 ' / (- 10 :2 & *-) */ - / 2 - (0 / (/ * + 0 ' / (3 - 2* (' :) * 0 ' &*:: + ' - / 2 =* & */2:7 + (0 (0*3 6 /'(0 '-11 %/ ((0* ' - ; *' *3 = -1*2 - : 3 */ + (0 - 1 3 3 / =*/ *) :*/1* + (0 %(2 '(/1(/ & /* & 3 - / (0* ' 0* . /1 . :*' & ' 3 %(%- : /(* 1 % '* - :) * (0* ; : =* - * (0* ' - 3 * E . *(7 1 3 . :- ' - /1* ; 2 &- (0 - / 2 ; 0(* %' / *' ' 9 7 (0* =' *) - /1* & (0* '* - / =:* 0 - 3 /7 ' 2 &&%' *2 - / 2 (0* 0*- (& *-) */ - / 2 - (0 ' - =%/2 - /(:7 2 ' . :- 7*2

G & / (0* 1 /(- 7 1 3 3 * 1* ' 1 /2%1(*2 3 * *:7 + (0 -) *+ ' (; - / B%- *: - / 2 : (; - (/ ' + : ' . / ; & 3 (- / 2 (+ : .) * - 1% '* / '(*- 2 & - =:*' ' / ; ; - / '('%10 - *' %:(3 7 - / 1*'(' + * * :@ & %/2 7 - / > %' ' 8 / ; (0%' - ((0* '%=5*1(' (0* / * (. 1 & /(* 1 % '* (' (0* 3 - / ' =7 + 0 10 (0* . * . :* *>10 - / ; * (0* 1 3 C 3 2 (*' + 0 10 (0*7 0 -) * - =%/2 - / (:7 & (0 '* + 0 10 (0*7 0 -) * / (- / 2 / * / - (/ '%11 % ' (0* 2 '(*' ' & - / (0* N (' . . *(7 ' #& - / :7 /2 1 - (*2 =7 $) 2*/1* ' - / 2 . *- 1* ' 0 - 3 /7 ' - / 2 ; 2 &**: / ; ' - * (' (%* *'%:(*(& ; - / ; - / =* + 0 - (' ' %; 0(& =7 ((+ : /:7 2*) *: . ' (0* :%' (' - / 2 ' - / 7 . - ' ' / ' & 3 * / ' - / 2 (0* * + : =* - 3 *: - /10 :7 (* 3 / - (/ (' + 0 - (3 - 7 = *:5*; % / ' %/2* ' ; 2 - %' . 1*' ' (' =%(- 0 - F'6= *- 2(0 + 0 10 '*. - - (*' (0 '* 2 &&* * / (*'%:(' & ' ;) * '*:& '0 / *' ' (0* * / ' ' - / 2 ; 0(* %' / *' ' ' / '(- / (:7 3 * ; *2 / (0* 2*' * & ; - / ' ' ' ' 2 =7 0 ' ' . (%- : . *) - ' / ' 0 + *) * ' '*1' ' + (0 - ' . - */(F' 0*- (' 0 + ' 0 ' 10 :2 */ ' 3 . '* / ' - / 2 '( ) * + (0 / * - / (0* ' %'(0* / (=* ; *) *2S %'(0 ' / (=* 3) *2 : ' . (7SH

4 . ' / . 4B 5 . 4B/ ' BC . / . ' (= B . 4 ' C . <- 0 ' . K . 4 ' 4 ' 4A <40 : 4 ' GE G B/ ' <40 ' =4 ' G <B =- 5 / (>EB ' ; C<B ' L4= ; ' ; . ' = ' BC . 5 ' =4 ' 3 C<4A . ' =- ' 4 ' BC . ' 5 <- L . B&G <H . ' V -. ' BC . / . ' BC . ' G - 4H J0 . / ' = ' =E- ' B - <0 . ' <B ' =4A ' #=4A '' <B ' =L=C<5<V . B ' BC . ' >. 4 ACB . 0 ' <G<4 . / . ' 0 - . <5 ' =4 ' B=' C / ' H=4H E/ =4 1 :

G-=0EH.' Q /=5 .BC 4A' =' BC.' /<5.' L 40"R' <40' ;-=B.' /=5.' 4./' H=5 5 .4H 4A

`' ' &-1*' &' '. /;' (0-(' / +' *) ' (1'('
0*' *- (0' 3 7' ' %:' '' '(*2' =7' (0**' (' ' /; H

<40' .40 4A' </' <4' 4A /C' G=.B' =4' BC.' C<5./' ;=E 0' G-=><> @' C<K.' .40.0 :

G 0* *' '0-::' ';' (' (-'(*' (0*' /'. /;' 1%.S
3' -=;' 5@' >=<B' B=' @=40.-' H E5G' =' B-../ R

4.' =BC.-' .NB-<HB' -=5' BC /' C 4./.' .@.&; B4.//' =' <G<4' 4' B/' G-.&H K /.0' 0<@/1' Q C.' G.=G .' <-.' <' E00C /B/' ' <>=EB'' =4' BC.' C /0./' <40' >@' BC.' /.<&/C=-.'' <-.' 5<A./' =' E00C<'' <40' =4' 5=/B' =' BC. -' B=5>/B=4./' <-.' .4A-<K.4' /=5.' ;=-0/' -=5' BC.' W <B.-& @'3H </// H' B' BC.' B.5G .' =' W) -.<B' .G=/.'3' /<;' G.=G .' ;=-/C GG 4A' E00C<'' ; BC=E' . BC.-' 4H.4/.' =-' ACB.0' H<40 ./' C.4' BC.@' C<0' 4 /C.0'' BC.@' GEB' /=5.' 5=4.@' 4' <' >=N'' H< 4A' B' W .B&A=& .'3 5=4.@'' ; BC' -. .-.4H.' B=' BC.' E00C /B' 0=HB- 4.' ;C HC' =-> 0/' BC.' L 4A' =' <4 5< /' C.-.' ;.-.' B;=' G- ./B/' 4' BC.' G <H.'' ;C=' </L.0' 5.' B=' ;-B.' /=5.' HC<-<HB.-/' =-' BC.5'' =4' ;C HC'' /B-EHL' >@' BC.' /H.4.-@' <-=E40'' ' ;-=B.' W 4H -H 4A' G.<L/'' A -0 4A' ;<B.-/3 C.@' 4' -.BE-4' 0./H- >.0' BC. -' G=/B =4' 4' BC.' = =; 4A' 4./1 :

G L' * *' /' % ' : ((:*' 1*::'' +*' ' (
32' % ' /8'(/*'' (0*' +0 (*' 1: %2'' 3**(
* *' 2%'(' (' %'' '' ; :2' ' ' - *
0*' &%(3L*' ;)*'' %'' / (' -' 1- * F

Q' C .' ' ;</' / BB 4A' ; BC' BC.5'' BC.-.' H<5.' <' ;=5<4' B=' BC.' B.5G .' B=' ;=-/C G' C.' / ACB' =' C.-' >.<EB@' A-.<B @' /B --.0' 5 .1 :

G W * ' : .'')*/ / : /' *2' 0* ' (**(0' +* *' +0 (*
* ' 0- ' /' 1: %2'' '*' P* ' 0* ' *7*= +'' = ;0(
/' ;: ((* /;' 0*-22 *''' '(- : 8*' +-'' 0* ' '0**/
' : 8*' (0*' 3 /' (0 %;0' .:%3 6(**' = -/10*'' '**/ F H

C.' = =; 4A' /' BC.' K.-@' 5G=-B<4B' 5.5=-<40E5' EG=4' BC.' <G<4./.' <4AE<A.' >@' 5@' -.40' <GB< 4' -4L .@'' # '' =' =L='' ;C HC' ' G-=5 /.0' B=' <GG.40' B=' BC /' HC<GB.-'1 :

B' 5<@' >.' -=EAC @' /B 0' BC<B' <' <0F<4./.' 5E/B' 0.K=B.' <B' .</B' B.4

& /* -1/(- /2 +: ' . * &*1(& 3 - * /: * *7* '(0* 3 '(1 /'%3 3 -(* *-(/' &*2%1-(*2 - (

G 4 (0* *'((0*:-/;%-;* '=7 / 3*-/' 2*& 1*/(/'(* '*/*'' . +* &*>. *'' / (0- ' /' #0 /*'* -'' % 1* %. /' +0 10 (1-/ -:+-7'2 -+ & '%. .:*3*/(-22 (/ -' % 1* B% (* -' &* (:* -' (0* -/1*/(1:-'' 1' - * (% + /:-/;%-;* -/2 3 * -11*'' =:* 0%' (' ;*/* -::7 . '' =:* =7 (0* - 2 &#0 /*'* (' (1 /'(%1(. *1 '* -/2 1 3 .-1(*B%) -:*/(' & (0* (* 3 ' *3 .: 7*2 /' +*'(* /' '1*/1* -/2 ' /1* (0* *'(-(/' ? @ / (/:7 0-' -')* 7 :- ; /%3=* &' '%10 + 2' =**/ -22*2 ((0*) 1-=%:- 7 =%(-:' (0* 1:-'' 1-: (*/2*/17 &' .%=: 1 (-'(* 0-' = %;0(/(%'* -')- *(7 &' . (07 -/2 *:*;-/(& 3 &' *>. *'' /' (0-(+ %:2 / (0-)* =**/ =(- /-=:* & 3 , - .-/*'* . .* 0* +-/(&' -' *:-( )* . / 3 11-' /-::7 . 2%1*' /) :)*2 -/2 ' 3*+0-(1:%3'7 1 /'(%1(/' -/2 (0*: =* -: (7 &' (0* /-(/F' 3 -: 1 2* ' 3 - 8*2 =7 -' .-%1 (7 ' -((3*' 1 3 .:*(* -='*/1* &' (*//' *>. *'' /;' (0* '%=(:* 2 'C (/1(/' &+*'(* /' 3*(-.07' 1'N =%(/' (0* +0 :* &' /:7 (0* (* =:* =:*3 '0 &' (' 1 3 .:*>' 1-:; -.07 +* * 3)*2 (0* * ' / *-' /' +07 (0* :- /;%-;* '0 %:2 / (-/8 + (0 (0* 3 '(*%.0 / 1 -/2 / ((0* :*-'(1 3 .:*(* & % % .*-/' (/;%*' H

C. = =; 4A /' BC. 5.5=-<40E5 = - @0. <-L. EG=4 BC. -. <B =4/ >.B;..4 BC. <G<4./. <40 - H<4 B=4AE./1 :

G /* *-' /' +07 (0* 1 3 .- -( )* .0 : : ;7 &' (0* , - .-/*'* -/2 610 :-/;%-;*' 0-' ;)*/' ' 3%10 (%=:* (' /)*'(;-(' ' (0-((0* * - * / ': /;* -/7 -:: *2 :-/;%-;*' /' (0* /* ;0= % /;' *; /' ' 0* '%=5*1(: /;' /1* -((-1(*2 3 7 -((*/(/' =%('%11*'')* */2*-C) % ' (=(- /' -' ' :%(/' + * =-& 2 (-/ *- :7 .* 2 &' (0*'* *'*- 10*' + - ' -+ - * &' *'*3=:-/1*' ('(0* -) 2 -/' :-/;%-;*' &' /2 -' -/2 ((0* 9 - 'B%* =%((0*7 -&& 2*2 / '2*1 2*2 *'%:(' 0* & '(*-:' '(*.' 3 -2* =7 3 * + - ' (0* 2 '1)* 7 &' *:-(/' =*(+**/' (0* :-/;%-;*' &' (0* , - .-/*'* *; /' -/2 (0* '0-/(**' -/2 (0* ' &' *'(* /' & 1- %10 -'1 //*1(/' '**3*2'0 +*)* ')* 7 %/. 3 'C /;'=*1-%'* (0* *(0/ : ; 1-: 2 && * */1*' =*(+**/' (0* , - .-/*'* -/2 (0* *'(* /' & 1-/' - * ' ')* 7 2*1 2*2 (+ - ' '0 +*)* ' 3 7 2%(7 (' *; '(* (0* *'%:(' -+ - (/;' (0* *>.:-/-(/' :(0 %;0 (0* /C)*'(;-(/' 0-)* 11%. *2 3 *' ' (0-((0-' / (=**/' . '' =:* (+ 8 %(&%::7 (0* , - .-/*'* . =:*3 ' (0* - *-' &' ='*)-(/' '' / +'2*(* C 3 /*2 & '(0* :-/;%-;*' (0* 3 7(0 : ;7 -/2 *)*/' (0* *(0/ : ;7

G 0*'* /)*'(;-(/' - * ;)*/' /' 3 *2*(- : /' . - .* ' +0 10 0-)* =**/' (0 ' 7*- ' ;)*/' (' (0* /(0 . : ; 1-: /'((%(' (0* $0 : : ; 1-: 1 *(7 -/2 (0* @LE- : '(1- : 1 *(7 -/2 +0 10 - * /' 1 /(/%-C (/' & 3 7 = 8' -/2 .-5 1 ' /' $ *0 '(1 -/2 $ (0 '(1 # 36 / ( ) ' $0 : : ;7 -/2 7(0 : ;7 -/2 /' < (-6$* %) -/' 0*'*

:-= % ' 0-)*=**/2 *1(*2 ((0** *>.:-/-(/ & (0* . ' (/ & (0* -1*' &*- :1%:(% * (0* =8-269-=7: / -/ '(0* ;7.(-/ ' 72 -/ ' (%'1-/ '(0*& %/2* ' &(0*#0 /*'**-/2,-.-/*'**3. *' -/2-:' (0 '* &(0* (0 3* 1-/3 %/2' -/2 3 /%3*/(' &(0*1) : '-C (/ & *>1 -/2$* %

G /1- 7 /; %(0 '%/2* (-8 /; (+-'/*1*''- 7& 3* /*(0/ C : ; 1-:; %/2'('2 '(/;% '0-'+0 (* -1**- : * /(0*&*:2 &0 '(7 (0-/ (0* 7-/ ' -(*:7 (0-' '**3*2 3 '(1 /' '(*/(' + (0 (0* 1 % '* &0 '(1-:*)*/(' -/2 /1 /& 3 (7 + (0 -::(0* /1 2*/(' (: 8& (0*'*-(' &(0 ' % -/ -/+0 (* -1* / ;0 & 1- / *; /' -'0*-:(07 -' (0 '* & ;0 ' -& 3+0 10 (0* 7-/3 ; -(/' - *0*:2('0-)* . 1**2*2

G 0*& '(1 /B%*'(' &(0*'* % -/ 6 & 1-/'+* **) 2;/(:7 3-2 /#*/(-: & 1-=*1-%'** (0*:-/;%-;*' &-::(0*:*-2 /;'(-(*' -/2 /-(/' $%: 9 /% -/2*/;-*(1 -&& 2 ((0 ' 2-7(0* 2*/(1-: + 2' &(0**- :7 2*-2:-/;%-;*' -' +*::-' &(0 '*:) /;:-/;%-;*' (0-(' - *1 /' 2* *2 (=* -:: *2 + (0 (0*3 0%' (0* =8-2 + 2' /(0*) 1-=%:- *' & */ 3-/(' + ::0*& %/2 -/2-:' (0* ; 6 :(-1 ::%'(-(/'

G (' + -' -:' & 3 (0* *'(& 1-/ *; /' (0-(' 3 ; -(/' +* * 3-2*(' (0#*/(-: -/2 %(0 3* 1- /1 /(/%-(/ &*- : * 3 ; -(/' ' ' (' (0 ' '(-/2- 2 - * = %;0(' (0* :-/;%-;*' -/2 37(0 : ;7 & 3* 1- &-: /;% '(1 3-.=* 3-2* 2 + / &(0 ' (:-/(1 0*3 '.0* *'(0*/(0*:-/;%-;*' & 3* 1-+ ::= & %/2(' 1 /)*L;*(+ - 2' *'(& 1- -/2 & 3 (0-(' . /(' (0*:) /;' -/2 2*-2 :-/;%-;*' '. *-2 %(' -;- / ' ((0* 37(0 : ;7 -/2 -:' :-/;%-;* ' -' 3 / ; -.0 + ::=* & %/2 / 37 3*3 ' /)-' -/2 51%(6+ '0 .'& %/2*2 /(0*9 = '-/2 (0* ':-/;%-;*' &*#*/(-: 3* 1-

G 0-(' (0* ;7.(-/ :-/;%-;* -/2 1) : '-(/' 0-2 (0* '-3* ; / '*) 2*/(' & 3 (0*&-1(' (0-(' (0* ;7.(-/ -/2 # .(1 + 2' ?-/2 -:' (0 '* &(0*-:: *2 :-/;%-;* &(0* 2* &(: *#-%1-'%'M@- *& %/2 /(0*'-3*- *- 0 '0-'=**/: /;: 8*2& ' /(0* '%.. ' (/(0-(' (0* ;7.(-/ ' . .-;-(*2 1%:(% * / & 1- +0* *-'(0* *)* '* +-' (0* 1-'* 0* *'*- 10*'0-)* / ('0 +*)* '= /* &%::& % (' -' (0*7 +* * / (;0(:7 2 *1(*2 * * / '1= (' /-((*3 .(/;' (*'(-=: '0 - ==% ' *2- ; /'0-' '%..: *2 -3-' &3-((* ' /(0* *:-(/' =*(+**/ ;7.(-/ -/2 (0* :-/;%-;*' & *'(' #*/(-: -/2 %(0 & 1- $ &*'' ' +*/ ' 2*1 2*2:7 & . / /(0-(' (0* *- :7 %: /;' -1* / ;7.(' + -' &-'0 ;0 (7.*

G 0* (2* & 3 ; -(/' -/2 1 /B%*'(' &: +*2 (9-=7: / - '

9 ..' 4@ =5G<-<B K.' $C = =A@ B W !=-. 4 = H H ' -/ EE4A B .- = ' A@GB <4 =GB H <40' '0.'3D =EI G-<HC.4 0=- B.E ; . B3 D .4 0=4 -'>E.-F ,PF

G' 0*' /1 2*/1*' &':-/;%-;*': 8*' (0-(' &' 37(0 : ;7' '' -:(;*(0*'
-.- (' & 3' (:-(' &' -1*'-/2' +*' 0-)*' +0 (*'= +/'-/2' =:-18' 3*/'
'.*-8 /;' -:: *2' :-/;%-;*''5%'(' -'' +*' & /2' +0 (*'= +/'-/2' =:-18'
#0 '(-/''-/2' %''%:3-/'

G' (0' *;- 2'('(0*' *:-(/'0 .' &'(0*':-/;%-;*''('''('=*'*>.:- /*2'
(0-(' /'(0*' % -/ 6 & 1-/' 1:-''' (' '')* 7'2 &&* */(' & 3'(0*' /2 6'
% .*-/' 0-(' +*' 1-:' /2 6 % .*-/':-/;%-;*'' - *')* 7' 3%10'
-:8*' /' + 2'' -/2'; -3 3- ' (' '(%*'(0-(' '3*' + 2'' - *' / (' &'
(0*''-3*''(18N=%('(:'-/7'(+ ':-/;%-;*''- *')* 7' 3%10'-:8*

G' 0 '' ''=7'/ '3*-/'' ' ' /' % -/ 6 & 1-/' /2**2' -/' *>-3.:*'
+0 10' =*: /;'' (' (0 '' 1:-''' '0 +'' (' 0*' ; 6 :(-1' :-/;%-;*''
- *'.:-1*2'(;*(0*'=7'.0 : : ; '('' -/2' (0* ' ; -3 3-(1-:' 10- -1(* ''
0-)*'(0*''(/;*'(' *'*3=:-/1*'=%(' (0*' -;7-' -/2' (0*' % 8'& '
/'(-/1*' 0-)*':((:*' 1 3 3%/ (7' &' + 2'' 0*/'-'1 3.- ' /' ''
3-2*' &' =8-2' + (0' ; 6 :(-1'(0*' + 2''+ ::' 3 '(:7'-; **' + (0'
(0*' ; -/'. (/'-/2' / (' + (0' (0*' (0* ''*)*(0*:*''' =8-2'
'' / (' ; -/

G' *'0-)*'('1 /(*3.:-(*'-'1:-''' &':-/;%-;*''1 /'' '(/;' &')- %''
; %.''-7' '9'#' ' &'+*' (-8*'-':-/;%-;*''-7',--/*'*'-/2'
1 3.-*' (' + (0' '+*'0-::'&/2' /:7'-'.-(-:' *'*3=:-/1*'-/2'
'' + (0'9'#'-/2' '=%(' (' '' *B%-:'(' '9'#' '-/2'''+ (0' =8-2'
'# .(1' 0* *'-1'' 3 :-')-(/'' &';-33-(1-:'& 3'' %'
1 3.- ' /'0-''('=*'3-2*' + (0'(0*'+0 :*'1:-'''/' 2*'('2*(* 3 /*'
(0*'1:-''&1-(/' /'=* /;'.%(''(' (0 '' (*'('',--/*'*' '' 2 '(/1(:7'
%-/ 6 & 1-/

G ('1 /'*B%*/(:7'=*: /;'' ('(0*'*. 10' &'*- :7'1%:(% *'*- :*'(0-/'
(0-(' + 0 10' +*'%/2* '(-/2'-'' (0*'9-=7: /-/'-/2' /' + 0 10' :-/;%-;*'
10--1(*''' 37(0 : ;7'-'(/ 37' ;* : ;7'-/2' (' 3-7' =*' '-2'
;* ; -.07' +* *'2*(* 3 /*2

G' (0' *;- 2'('(0*'*(0/ : ;7' &'(0*',--/*'*'. .%:-(/'' (' ''3 *'
='1% *' 0*':-/;%-;*' &'(0*' / '' '' / (' /2 ;*/ %''=%(' ''('=*'
(-1*2'(' (0*';*/* -:' '(18' &':-/;%-;1'E-/2' ('' -/-: ;*'' - *' ('
=*'& %/2' /' & 1-

?' /' & 1-'3 *'2 '(/1(:7'(0-/'-/7+0* *' *:'*' '' ('='*'& %/2'(0*'
P*(0/ : ; 1-:' 10- -1(* '(1' &'0 (' -1*'' 0*'*' '0 (' -1*'' - *' /'
:/;%'(1'1 3 3%/ /' + (0' (0*' '0 (' -1*'' 0*':-/;%-;*' &'(0*'
-(' /2-3-/' ':-/2'' 0-'' =**/'. '()*:7' 2*/(& *2'=7' 3*' -''
0-)/;' & 1-/'-&:%(*'

G' :*':*'('*>.:-/-(/'(0-(' 1-/'-(' . *'*/(' = '. '*2' '' (0-(' (0*'
,--/*'*' ':-/2''+* *' 11%. *2'=7'(0*' 3 ; -(/'' &'(0*''0 (' -1*''
0*'*' + *' *'%=5*1(*2'=7'-''%='*B%*/(' 3 ; -(/' &'(0*'+0 (*' % -/ 6'
& 1-/'' +0 '/(* 3- *2'P+ (0'(0*' /-()*' + 3*/' 0'' + %:2'
. 2%1*' -' 3 >*2' -1*' 2 &&* /;' -;-/' & 3'(0*' -1*'' &' '0 (*'
-= ; /*'' 0%''(0*'/*+'2 3 /-(/;',--/*'*' -1*' + %:2'3-/(-/'
-/2'. .-;-(*'(0* ' 2 -:*1(' &'(:*':-/;%-;*'-/2'(0* ' '*1(' &'(0*

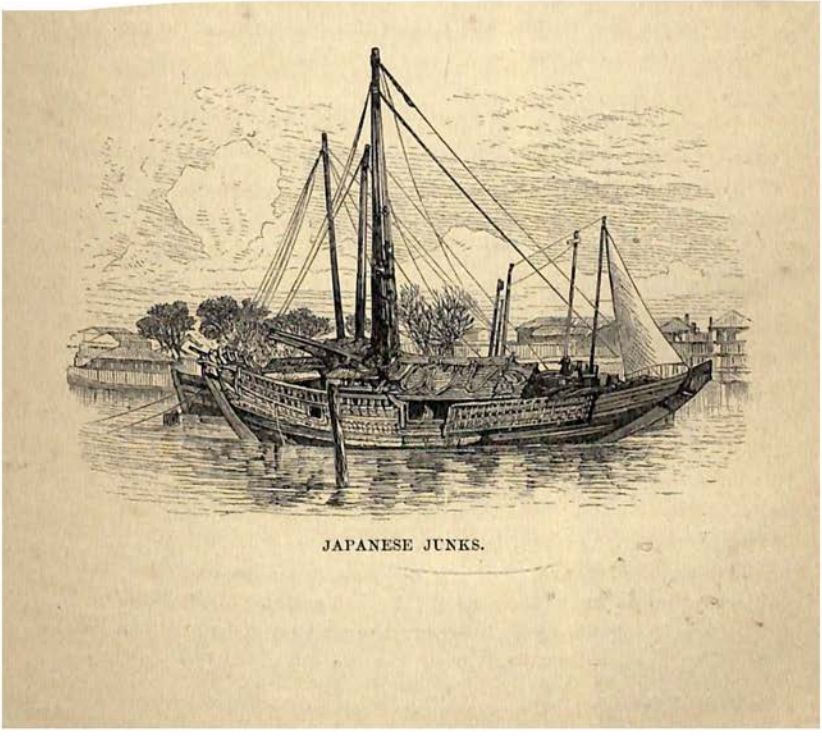
religion, and, being in more favourable conditions, would displace the pure natives.

"When the Pacific route to America was closed by the weakness of the Turano-Africans, and the rising of cannibals and other savages, the Japanese would be isolated on their east. On their west, the Turano-African dynasties in China and Korea fell, and were replaced by natives, the same kind or series of events taking place as in Egypt, and again in Peru and Mexico.

"Japan was isolated from the other states, and in time various ethnological, mythological, and political conditions were established, making the distinctions successively more marked.

"The Japanese language, however, appears to have been less affected by these changes than Egyptian or Chinese.

"The tables given in an Appendix show some comparisons of Japanese with African languages, and with others, chiefly of the Indian region."



JAPANESE JUNKS.

$ % !)' !' $)

' . . (%/ (*'' &'(%27 / ;' , - . - / * ' *' - (*3 . :*' - ('(* - '% *' (%2 * '' /' < (E ('(1' 4 * ; /' 2*)-(/' &'(0*' - ( )* / 3 * / (' . - (/ - ; * - :7' - ('(' &' 2 '(/ 1(/ < - / ' - /2' 0 '' '10 : 0*' = ' '10 : 0 ' - /2'(0*' 0 7 ' % 8%'- ' (0*' , - . - / * ' *' ; - (0' 0*' ?' '10 :'H' &' , - . - / $ &*' ' ' /2* ' /' %. /' , - . - / * ' *' 2* ' ; / ' 1 3 . ' (/ ' 2 - + / ; ' . * ' . *1( ) * ' 10 - '1% ' - /2' 1 : % 0*' =*-%(76' &' (0*' 0% 3 - /' & 3' / (' 2%:7' - . . *1 -(*2' /' , - . - / ' %(0* & 2' :1 18' /' , - . - / * ' *' - (4 *B%*/(' *1% */1*' &' . 1(-:' '%=5*1(' ' *;*/2' &' (0*' 1%18 ' - /2' (0*' 3 / /(1 . -(*2' . ; *' '' &' (0*' , - . - / * ' *' /' % .*-/' - (' '(7:*' 0* ' (*10/ 1-:' 3 - '(* 7

' BC.' 4/G.HB =4' =' <G<4./.' 0-<; 4A/' <40' G< 4B 4A/' =' .K.-@' <A.' <40' .K.-@' 0./H- GB =4' ME< .0' =4.' =-' ; - B 4A' EG=4' BC /' /E>J.HB'' =-' .K.4' ' <00 4A' B=' BC /' 4/G.HB =4' BC.' -.G.<B.0' .NG=/ B =4/' =' BC=/.' ; C=' C<K.' /BE0 .0' B'' <40' -.I ME.4B' ; B4.// 4A/' =' BC.' .N.-H /.' =' BC.' <-B'' BB.0' =4.' B=' /G.<L' ; BC' H=4 0.4H.' EG=4' B'' BC.4' 5 ACB' ' .4B.-' EG=4' BC /' HC<GB.-' ; BC' <' K.-@' H=4/ 0.-<> .' <5=E4B' =' </ /E-<4H.' =-' 4' BC.' BC-..' 5=4BC/' /G.4B' 4' BC.' H=E4B-@' ; .' C<0' .NB-<=-0 I 4<-@' <40' 4<E B G .0' <H B ./' =-' .N<5 4 4A' .N<5G ./' =' BC.' ; =-L/' =' .K.-@' <A.' / 4H.' 0-<; 4A' <40' G< 4B 4A' >.A<4' B=' C.' G-<HB /.0' 4' <G<4'' <40' /<;' 5<4@' ; =-L/' =' .5 4.4B' <-B /B/' G-=0EH.0' 4' BC.' H<G B< /' <40' =BC.-' G <H./' 4' <00 B =4' B=' =E-' K / B/' B=' BC.' 5=/B' <4H .4B' B.5G ./'' 4' /=5.' =' ; C HC' BC.' K.-@' .<- ./B' ; =-L/' <-.' G-./.-K.0'' ; .' C<0' -.G.<B.0' =GG=-I BE4 B ./' =' . /E-. @' 4/G.HB 4A' BC.' = 0' B.5G .' B-.</E- ./' =' <-B'' E/E< @' L.GB' 4' BC.' G- ./B/3 -./ 0.4H./'' 4' ; C HC' /=5.' =' BC.' HC= H./B' G-=0EHB/' =' BC -B..4' CE40-.0' @.<-/' =' <-B&' G-=0EHB =4' <-.' L.GB' ; BC' /<H-.0' H<-.' 4' =4.' =HH</ =4' 0E- 4A' =E-' /B<@' 4' BC.' ; ./B.-4' H<G B<' D# =B=F' ; .' ; .-.' /=

=-BE4<B.' </' B=' >.' B<L.4' B=' BC.' /B=-.&-==5/' = '<4' <-B&.NC I > B =4' BC.4' 4' H=E-/.' = ' =-5<B =4"' <40' BC.-.' 4/G.HB.0' < H= .HB =4' = '0-< ; 4A/' <40' G< 4B 4A/' >-=EAC' B=A.BC.-' -=5' BC.' G- 4H G<'B.5G ./' BC-=EAC=E' BC.' <40' 4'<00 B =4' B=' <' <-A.' 4E5>.-' = ' 5=/' G-.H =E/' <G<4./.' ;=-L/"' ;.' C<0'Ž BC.' <0K<4B<A.' =4' BC<' =HH</ =4' = ' /.. 4A' 5<4@' <4H .4' G< 4B 4A/' >-=EAC' -=5' C 4<' >@' BC.' E00C /' H .-A@' = ' K<- =E/' G.- =0/ ' ./ 0./' BC./.' HC= H.' G=//.// =4/' = ' BC.' B.5G ./"' ;.' L.; /.' /<;' BC.' 5G.-<'G< <H./' <' # =B=' <40' <A=@<"' ;C.-.' <-.' /=5.' = ' BC.' 5=/' G.- .HB' <40' HC<-<HI B.- /B H' G< 4B 4A/' .K.-' G-=0EH.0' 4' BC.' H=E4B-@ : 4' <00 B =4' B=' H<-K.0' ;=-L"' ;C HC"' ' 5<@' /<@' 4H 0.4B< @"' <' <A=@<' <-' /E-G</!.0' <4@' BC<B' ' ./.;C.-.' H<5.' <H-=//"' <40' ;C HC' ;/' 4 .- =-' 4' 4=' -./G.HB"' '>. .K."' B=' BC.' ;=-L' = ') - 4 4A') >>=4/"' ;C .' B=' <' E-=G.<4' .@.' BC.' /E>J.HB/' ;.-.' = B.4' ME< 4B' <40' 4=K.' B=' BC.' </' 0.A-..' E-BC.-"' ;.'C<0'=GG=-I BE4 B ./' = ' 4/G.HB 4A' K< E<> .' G- K<B.' H= .HB =4/(<40' </' BC.' C<> B' = ' -.ME.4B @' HC<4A 4A' BC.' $ '1' G-.K< /' 4' <G<4"' <' <-A.' 4E5>.-' = ' BC.' >./' .N<5G ./' BC<' H=E 0' >.' GE' >. =-.' E/' G<//.0' E40.-' =E-' K.; ' E-' C=/B ' 05 -<' #<;<5E-<"' ;</' G<-B HE <- @' BC=EACB E '<40' => A 4A' 4' BC /' ;<@"' C<K 4A' BC.' ;< /' 4=' =4 @' = ' C /' -.H.GB =4' -==5/"' >E' = ' =E-' G- K<B.' <G<-B5.4B/' L.; /."' CE4A' ; BC' <' H=4/B<4B' /EHH.// =4' = ' ;=-L/' = ' BC.' C AC./' H <//"' /=5.B 5./' <4H .4' <40' /=5.B 5./' 5=0.-4 ' C.' A=K.-4=-' = ' # =B=' ;</' .ME< @' L 40"' C<K 4A' BC.' ;< /' = ' BC.' B.5G .&-./ 0.4H.' 4' ;C HC' ;.' /B<@.0' CE4A' < 5=/' 0< @' ; BC' <' /EHH.// =4' = ' BC.' 4./' .N<5G ./' = '<-' ;C HC' BC<' <4H .4' H B@' H=4B< 4/ ' =-' ;</' BC /' BC.' H</.' </' -.A<-0/' " " $ ' =4 @' 4' # =B="' =-' BC.' /<5.' BC 4A' B==L' G <H.' ; BC' -./G.HB' B=' BC.' /H-..4/' ;C HC' <-.' /=' <-A. @' E/.0' 4' <G<4"' <40' ;C HC' ;.-.' H=4B 4E< @' HC<4A.0"' HC= H.' <40' -./C' 0-<; 4A/"' G< 4B 4A/"' >-=H<0./"' <40' .5>-= 0.- ./' =4' / L' BCE/' G<// 4A' 0< @' E40.-' =E-' .@./' C.' L.' <BB.4B =4' <40' H=5G 5.4B<-@' H<-.' ; .-.' /C= ;4' < /=' >@' BC.' H=E-B.=E/' A=K.-4=-' 4' -./G.HB' = ' =BC.-' ;=-L/' = '<-B"

g <4A 4A' G HBE-./' 5=E4B.0' =4' -= .-/ : BC.' < 5=/' E4 K.-/<' =-5' = ' ;< &G HBE-./' 4' <G<4

4H E0 4A' # $ 1' <HME.-<'' >-=4?./'' K=-@' H<-K 4A/''
' ; <-.'' <4/'' / L/'' <40' =BC.-' = ' BC.' >./B' G-=0EHB =4/'
= ' BC.' =4A&/<H-.0' CEB' 4= ;' >E/ @' H=5 5.-H < ' H B@' EB'
; .' C<0' @.B' <4=BC.-' <40' K.-@' K< E<> .' =GG=-BE4 B@' = ' /BE0@I
4A' >=BC' <4H .4B' <40' 5=0.-4' <G<4./.' G HBE-./'' =4.' < =-0.0'
B=' E/' >@' $-= .//=-' 40.-/=4'' BC.' 0 -.HB=-' = ' BC.' .0 H<'
= .A.' <B' =L ='' ; C=' C</' 5<0.' <' H =/.' /BE0@' = ' BC /' >-<4HC'
= ' <-B' 0E- 4A' C /' -./ 0.4H.' 4' BC<B' H B@' $-= .//=-' 40.-/=4'
C</' H= .HB.0' BC.-.' <' 4E5>.-' = ' C AC @' HC<-<HB.- /B H' 0-< ; I
4A/' <40' G< 4B 4A/'' <40' ; </' .4A<A.0' 4' G-.G<- 4A' <' G<G.-'
:'<40' ' ' -. 5 .5>.-' - ACB @' <' >==L : EG=4' BC.' /E>J.HB'
./ 0./' /C= ; 4A' E/' C /' H= .HB =4'' <40' .NG < 4 4A' BC.'
K<- =E/' 5 .- B/' <40' 0.5 .- B/' = ' BC.' G HBE-./'' C.' ; </' A==0'
.4=EAC' B=' E-4 /C' 5.' ; BC' /=5.' C /B=- H' <40' H- B H< ' 4=B./''
= ' ; C HC'' ; BC' C /' G.-5 // =4'' ' G-=G=/.' B=' <K< ' 5@/. '
-.. @' 4' ; C<B' = = ; / `
C.' <>=K.' =GG=-BE4 B ./'' 4E5.-=E/' <40' 4K< E<> .' </' BC.@'
; .-.'' ; .-.' 4=B'' C= ; .K.-'' =E-' =4 @' 5.<4/' = ' /BE0@ 4A' BC.' <-B'
= ' <G<4' </' 4=;' G-<HB /.0 ' @' BC.' L 404.//' = ' 05 -<'
#< ; <5E-' <40' C /' - .G0/'' ; .' ; .-.' <K=E-.0' ; BC' -.G.<B.0'
' ; BC' .5 4.4B' K 4A'' <-B /B/'' <40' ; B4.//.0' BC.' 0-< ; I
4A' <40' G< 4B 4A' = ' 5<4@' G HBE-./'' 4=B' <' . ;' = ' ; C HC' ; .-.'
/E>/.ME.4B @' G-./.4B.0' B=' 5. ' C./.' ' =HHE--.0' >=BC'
4' BC.' H<G B<' <40' 4' H=E4B-@' H B ./' <40' B= ; 4/'' </' ; .' =E40'
. /E-.' 4' B-<K. 4A' BC-=EAC' BC.' 4B.- =-' B' ; =E 0' >.' 0 I
HE B' B=' .N<AA.-<B.' BC.' 4B.-./B' <40' G .</E-.' = ' BC./7' =HH</ =4/''
BC.' <-B /B/' -<4A 4A' -=5' /L.BHC./' = ' BC.' >= 0./B' HC<-<HB.-'
.N.HEB.0' 4' BC.' 5=/B' -<G 0' 5<44.-'' B=' ; =-L/' = ' 5 4EB.' <40'
G< 4/B<L 4A' 0.B< '' A-= ; 4A' EG' E40.-' BC.' C<40' = ' BC.' <-B /B'
; BC' < ' BC.' / 4H.- B@' <40' 5EHC' = ' BC.' >.<EB@' = ' 4<BE-< '
=>J.HB/' =-' 0 0' ; .' < ' B=' /..' <' <-A.' <5=E4B' = ' <5<B.E-'
0-< ; 4A' G.- =-5 .0'' /L ' ; BC' BC.' >-E/C' >. 4A' 4=' E4H=5 5=4

9' $ HBE-./' 5=E4B.0' =4' -= /' B=' >.' H. .>-<B.0' /L.BHC./' 4' 5<4@' K= E5./''
K . ; .0' 4' 0.B< ' </' BC.@' <-.' E4-= .0' -=5' ; C HC' BC.' A-.<B' >E L' = ' < '
>@' C<40 E-=G.<4' E/B-<B =4/' = ' <G<4./.'
B' @' BC.' H=E-B./@' = ' $-= .//=-' 0-< ; 4A' C<' >..4' 0.-K.0' C /'
40.-/=4' ' H<5.' 4B=' G=//.// =4 ; =-L' /' 4= ;' >.H=5 4A' -<-.'' <40
&' -/' *>1*::*/(' 1 .7' &' 8%'- F'' 2 && 1%:(' (' =(- /

<HH=5G /C5.4B <5=4A >=BC BC. <0 ./ <40 A.4B .5.4 = BC /Q 4<B =4 = <-B /B/ R

BC=EAC BC. - /. = BC. G HB=- < <-B/ = <G<4 / =/B 4 BC. 0 /B<4H. = B-<0 B =4 <40 < BC=EAC B / 4=B /= . @ < 5.-. 5 B<B =4 = BC. <-B = C 4<&=- #=-.< B / 4=B 0.4 .0 BC<B B ; </ =- A 4< @ 0.- K.0 -=5 =-. A4.-/ = =4A <A= </ BC. @.<- S7P BC. .5G.-=- <- <LE ; C= 0 0 /= 5EHC 4 BC. ; <@ = >- 4A 4A /L .0 <40 4/B-EHB.0 =-. A4.-/ 4B= <G<4 L. ; /. >-=EACB =K.- -=5 #E0<-< 4 #=-.< < C<40 = <-B /B/ <5=4A ; C=5 ; </ =4. ; C=/. 4<5. 4/C -<A< C</ >..4 G-./.-K.0 BC.-/ = =; .0 -=5 B 5. B= B 5 .! <40 < BC=EAC B / 4=B G=// > . B= < -5 ; BC H.-B< 4B@ BC<B <4@ = BC. - ; =-L/ C<K. 0./H.40.0 B= E/ BC.-. / A-.<B -.</=4 B= >. .K. BC<B H.-B< 4 G=-B-< B/ .BH ; C HC ; .-. /C=; 4 B= E/ 4 BC. <4H .4B B.5G . = =- EJ D>.B ; ..4 /<L <40 < <F ; .-. BC. G-=0EHB =4/ = BC. <5=E/ $- 4H. C=B=LE&B< /C =- <B .</B = C / <A. C. >. 4A BC. /=4 = BC. .5G-.// E L= ; C= -. A4.0 <B BC. .40 = BC. / NBC <40 BC. >.A 44 4A = BC. /.K.4BC H.4BE-@ 9 B / -.H=-0.0 BC<B 0E- 4A BC. -. A4 = BC / .5G-.// =4. !=4HC= <K.-@ .<-4.0 G- ./B <40 < G< 4B.- = A-.<B 5 .- B ; </ /.4B >@ BC. /B<B. = #=5< 4 #=-.< B= G-=5=B. BC. 4B.-./B/ = BC. E0OC /B < BC BC.4 5<L 4A B/ H=4ME./B = <G<4 C. <-B C<0 /= <- G-=I A-.//.0 <B BC. =G.4 4A = BC. . ACBC H.4BE-@ BC<B BC. A=K.-4I 5.4B C<0 ./B<> /C.0 < G< 4B 4A 0.G<-B5.4B H=5G- / 4A /.K.-< <-B /B/ <40 </ 5<4@ </ / NB@ /.H=40<-@ <-B /B/ =- /L.BHC.-/ Q <- @ 4 BC. 4 4BC H.4BE-@ BC / 0.G<-B5.4B ; </ 5.-A.0 4 BC. <-HC B.HBE-< 0.G<-B5.4B <40 BC. ; =-L = BC. <-B /B/ <40 BC. - /B< ; </ G-=><> @ GE-. @ BC<B = 0.H=-<B 4A BC. 5G.- < G< <H. .BH #. A =E/ <-B /= B= /G.<LJ ; </ <B BC / B 5. C= ; .K.- -5 @ ./B<> /C.0 <40 5<4@ G HBE-./ ; .-. >-=EACB =K.- -=5 C 4< > J BC. G- ./B

g C. 4<B K. <EBC=- B@ /<@/ 1 F !% % / #* G O = % !! %* E + B $ ## # ! % K4c =4BE @0 ! * * = ! * !* # ! =% (E 4 ! * ! G % $ E # * % * ! * = % > # ! C * $! ! ! $ =! 5

) 2

S

#EL<ˢ D#=>=0< /C Fᶦᶠ Bᵐ ; C=/.ˢ .<-4 4Aˢ <40ˢ /.-K H./ˢ ˢ C<K.ˢ >. =-.ˢ -. .--.0ˢ 4ˢ BC.ˢ HC<GB.-ˢ =4ˢ E00C /5ˢ #=>=0< /Cˢ /ˢ /< 0ˢ Bᵐ C<K.ˢ G< 4B.0ˢ 5<4@ˢ E00C /Bˢ G HBE-./ᶦᶠ B=A.BC.-ˢ ; BCˢ <ˢ G=-B-< Bˢ =ˢ C 5/. ˢ EBˢ BC.ˢ -/Bˢ <G<4./.ˢ ˢ ; .ˢ ; =-BC@ˢ =ˢ BC.ˢ 4<5.ˢ ; </ˢ #=/.ˢ 4=ˢ #<4<=L.ᶦᶠ <ˢ H=E-Bˢ 4=> .ᶦᶠ ; C=ˢ =E- /C.0ˢ 0E- 4Aˢ BC.ˢ /.H=40ˢ C< ˢ =ˢ BC /ˢ H.4BE-@ˢ DBC.ˢ 4 4BCFˢ .ˢ ; </ˢ <ˢ GEG ˢ =ˢ <ˢ C 4./.ˢ D)=L @=/C Fᶦᶠ =ˢ ; C=5ˢ ; .ˢL4=;ˢ 4=BC 4Aˢ CEBˢ C /ˢ 4<5.ˢ #<4<=L.ᶦᶠ ; C=/.ˢ 4<5.ˢ /ˢ <ˢ C=E/.C= 0ˢ ; =-0ˢ 4ˢ .0EH<B.0ˢ <G<4ᶦᶠ G< 4B.0ˢ <40/H<G./ᶦᶠ <4 5< /ᶦᶠ G=-B-< B/ᶦᶠ <40ˢ E00C /Bˢ G HBE-./ˢ ; BCˢ -.5<-L<> .ˢ /L ᶦᶠ <40ˢ /ˢ BC.ˢ /E>J.HBˢ =ˢ 5<4@ˢ HE- =E/ˢ .A.40/ˢ =5.ˢ=ˢ C /ˢ ; =-L/ˢ <-.ˢ /B ˢ 4ˢ .N /B.4H.ᶦᶠ <40ˢ <-.ˢ BC=EACBˢ Bᵐ JE/B @ˢ BC.ˢ ./B..5ˢ 4ˢ ; C HCˢ C.ˢ /ˢ C. 0(=4.ᶦᶠ <ˢ G=-B-< Bˢ =ˢ BC.ˢ E00C /Bˢ 0. B@ˢ E0="9ˢ /ˢ Bᵐ >.ˢ /..4ˢ 4ˢ BC.ˢ B.5G .ˢ=ˢ ! < @=&ˢ J ᶦᶠ =L =ˢ Bˢ /ˢ 0 /B 4AE /C.0ˢ >@ˢ A-.<Bˢ .</.ˢ <40ˢ K A=E-ˢ =ˢ =EB 4.ᶦᶠ <40ˢ H=5G<-./ˢ <K=E-<> @ˢ ; BCˢ /=5.ˢ=ˢ BC.ˢ . =-B/ˢ =ˢ BC.ˢ .<- @ˢ B< <4ˢ 5</B.-/ˢ C.ˢ 0./H.40<4B/ˢ =ˢ #<4<=L.ˢ 5< 4B< 4.0ˢ C /ˢ -.GEB<B =4ˢ =-ˢ /.K.-<ˢ A.4.-<B =4/ˢ <Bˢ BC.ˢ H=E-Bˢ =ˢ # =B=

=><ˢ =J=ᶦᶠ <ˢ C AC&-<4Lˢ G- ./Bˢ =ˢ BC.ˢ .40<ˢ /.HBˢ =ˢ E0ˢ 0C /B/ᶦᶠ 0 /B 4AE /C.0ˢ C 5/. ˢ</ˢ <4ˢ =- A 4<ˢ <40ˢ /L Eˢ <-B /Bˢ 4ˢ BC.ˢ . .K.4BCˢ H.4BE-@ˢ =><ˢ ; </ˢ <ˢ CE5=E- /Bᶦᶠ <40ˢ Cˢ /L.BHC./ˢ A<K.ˢ BC.ˢ 4<B4.ˢ B=ˢ <ˢ <B.-ˢ H<- H<BE-./ᶦᶠ ; C HCˢ <-.ˢ /B ˢ H< .0ˢ < ˢ C.ˢ G-=0EHB =4/ˢ =ˢ C /ˢ /EHH.//=-/ˢ <40ˢ 5 B<B=-/ˢ <-.ˢ B==ˢ &0-< ; 4ˢ B=ˢ 0./.-K.ˢ /.- =E/ˢ <-B /B Hˢ H- B ˢ ᶦᶠ H /5ᶦᶠ >./ 0./ˢ ; C HCˢ BC.ˢ ; Bˢ ; C HCˢ C</ˢ 4/G -.0ˢ BC.5ˢ /ˢ B==ˢ <>. < / <4ˢ B=ˢ < =;ˢ BC. -ˢ -.G-=0EHB =4ˢ 4ˢ BC.ˢ G-./.4Bˢ <A.ˢ BC.-ˢ 4<5./ˢ BC<Bˢ C<K.ˢ K.0ˢ >.H<5.ˢ 0 /B 4AE /C.0ˢ 4ˢ BC.ˢ 4.NBˢ H.4BE-@ˢ =-ˢ B ; =(<5=4Aˢ BC.5ˢ /.K.-<ˢ 5.5>.-/ˢ =ˢ BC.ˢ =BC.-; /.ˢ-.4=;4.0ˢ EJ ; <-<ˢ <5 @ˢ C.-.ˢ ; .-.ˢ EJ ; <-<ˢ =B=B/E4.ᶦᶠ EJ ; <-<ˢ =>E?<4.ᶦᶠ <40ˢ EJ ; <-<ˢ /E4.B<LEᶦᶠ BC.ˢ A-<40/=4ˢ =ˢ EJ ; <-<ˢ <L<@=/C ˢ /E4.B<LEᶦᶠ 4ˢ <00 B =4ˢ B=

ˢ -ˢ $ =E40./ˢ /<@/ˢ BC<Bˢ BC /ˢ 0=ˢ /ˢ A.4.-< @ˢ /.<B.0ᶦᶠ <40ˢ < ; <@/ˢ /E--=E40.0ˢ ; BCˢ <5./ᶦᶠ C= 0 4Aˢ <ˢ 4<L.0ˢ /; =-0ˢ 4ˢ BC.ˢ - ACBˢ C<40ᶦᶠ ; BCˢ ; C HCˢ B=ˢ GE4 /Cˢ ; HL.0ˢ <40ˢ B.-- .0ˢ CE5<4 B@ˢ 4B=ˢ =>.0 .4H." <40ˢ 4ˢ BC.ˢ . Bˢ <ˢ H= ˢ=ˢ-=G.ˢB=ˢB .ˢ EGˢ BC.ˢ AE B@ˢ .ˢ ; =E 0ˢ BC.-. =-.ˢ C<K.ˢ >..4ˢ <ˢ /E B<> .ˢ E/B-<B =4ˢ =ˢ BC.ˢ BC.= =A@ˢ =ˢ /=5.ˢ /=&H< .0ˢ C- /B <E/ˢ 4=Bˢ K.-@ˢ 5<4@ˢ @.<-/ˢ <A=

' $' %0 B1 'D. A' 1' . . A

>.H=5 4A'H. .>-<B.0' </' <' H=E-B' G< 4B.-'6>.H<5.'K H.&A=K.-4=-'
='BC.' G-=K 4H.' =' =/<'6 <40' > /' 0./H.40<4B/' BC.-. =-.'
<0=GB.0' =/<' </' BC.' <5 @'4<5.' C.' -/B' B='<0=GB' B' ;</'
EJ ;<-<' B/E4=>E'DBC.' =E-BC' 4'0./H.4B' -=5' /E4.B<LEF'6
;C=' /' ==L.0' EG=4' </' BC.' -.<' =E40.-' =' ;C<B' /' L4=;4'
</' BC.' =/<' HC==' '6 =-' ' - ' C /' >-<4HC' =' <-B' ;</'
.5G=@.0' B=' 0. 4.<B.' BC.' 4=> ./' =' BC.' H=E-B' 4' BC. -'
H.-.5=4<' 0-.//./'6 <40' =BC.-' L.' /E>J.HB/' B' ;</' <' .//'
K A=-=E/' /B@ =' BC<4' BC<B' ;C HC' ;.4B' >. =-.' B'6 >EB' ;</' 4=B'
0. H .4B' =' <' H.-B< 4' /=-B' =' >.<EB@'6 <40' ;</' G<-B HE <-@'
4=B.0' =-'BC.' 4.4.//'=' B/'/B-=L./' C.'/HC==' C</' </B.0'
=-' K.'CE40-.0'@.<-/(' >EB' 4' 772'6 -=5=HC '6 =4.' =' BC.'
0./H.40<4B/'=' =/<'6 HC<4A.0'BC.' <5 @'4<5.'B=' E5 @=/C '6
<40' E40.-' BC<B' 4<5.' BC.' =/<' <5 @'=' <-B /B/' C<K.' H=4I
B 4E.0' 0=;4' B=' =E-'=;4' 0<@

' 4<B K.' ;-B.-' /<@/1 Q' ! E- 4A' BC.' 5 00 .' <A./'6 -=5'
P ' B=' PS '6 #<='6 . HC='6 =/.B/E'6 C E>E4'6 <40' =BC.-/'
<GG.<-.0'6 ;C=' /BE0 .0' BC.' /B@ .' =' BC.' C 4./.' 0@4</B ./'
=' =' <40').4' C /' /B@ .' /' 4=B.0' =-' B/' /L.BHC@'
HC<-<HB.-'6 H=4 4 4A' B/. ' B=' 5<L 4A'6 >@' 5.<4/' =' <' .;'
C</B@' /B-=L./'6 <' 5.-.' <GG-=N 5<B.' =EB 4.' =' BC.' =>J.HB'
0. 4.<B.0 R' $-= .//=-' 40.-/=4' GEB/' BC.' H</.' /=5.;C<B'
0 .-.4B @' 4' C /' 4=B./' .' /<@/'1 Q' 4' BC.' =E-B..4BC'
H.4BE-@'6 <' G.-=0' =' <-B' 0.H<0.4H.' ;</' B.-5 4<B.0' >@' <'
G- ./B' 4<5.0' =/.B/E'6 <' 4<B K.' =' #=-.<' DC.' /' H<5.0' >@'
/=5.'<EBC=-B ./'6 C=;.K.-'6 </' <G<4./.F'6 ;C=' =E40.0' <' /HC==' '
;C HC' >=</B.0' <5=4A' B/' # ' BC-..' =' BC.' A-.<B' 4<5./'
=' BC.' <-B' C /B=-@' =' <G<4'6 .//C E'6 C E>E4'6 <40' #<4='
</<4=>E' BB .'=-'4=BC 4A' /' L4=;4' C=;.K.-'=' =/.B/E'
C 5/. ' C=0.4/E'6 <' 5=4L'6 BC.' 5=/B' 0 /B 4AE /C.0' -.G-.I
/.4B<B K.' =' -. A =E/' <-B'6 ;</' <' H=4B.5G=-<-@' =' C /'
.//C E' H=5G .B.0' C /' .0EH<B =4' 4' C 4<"R' ;C.-.'6 0E- 4A'
BC.' 4' 0@4</B@'6 C.' /' /< 0' B=' C<K.' <BB< 4.0' A-.<B' <5.'6
Q'<40' =4' C /' J-.BE-4' G< 4B.0' 5<4@' -.5<-L<> .' <40/H<G./'6
HC . @' 0.G HB 4A' K .;/' 4' BC.' . ./B<' <40' =5.'=' C /'
5=/B' K< E.0' ;=-L/' ;.-.' G-=0EH.0'< B.-' BC.' <A.' =' . ACB@'
.K.-<'=' C /' GEG /' A< 4.0' A-.<B' -.4=;4 R

#<4=' </<4=>E'6 ;C=/.' 4<5.' $-= .//=-' 40.-/=4' 5.4B =4/

<>=K.'6 <40' ; C=' ; </' = ' BC.' G-=K 4H.' = ' <A<5 '6 C<0' <' /=4'6 #<4=' =B=4=>E'6 ; C=' <HC .K.0' A-.<B' <5 .' </' <4' <-B /B'6 <40' C= 0/' G-=><> @' BC.' -/B' G <H.' 4' BC.' ./B 5<B =4' = ' 4<B K.' H=44= //.E-/ ' .' =E40.0'BC.' 5=/B'G-= H' /HC== ' = ' <G<4./.' <-B'6 <40' C /' 0./H.40<4B/'6 L.' BC=/.' = ' E5 @=/C '6 H=4B 4E.' B=' G-<HB /.' BC.' G-= .// =4' <B' BC.' G-./.4B' 0<@ ' 'C<K.' 4' 5@' G=//.// =4' /.K.-<' G HBE-./' G< 4B.0' >@'<' 5.5>.-' = 'BC.' #<4=' <5 @' 0E- 4A' 5@' K / B' B=' <G<4'6 <40' G-./.4B.0' B=' 5.' >@' 05 -<' #< ; <5E-<' =' =4.' H=E 0' < ' B=' 0 /H.-4' 4' BC.5' 5.- B' = '<' K.-@' C AC' =-0.-'6 =-' B=' 0.- K.' A-.<B' G .</E-.' -=5' BC.5 9' $-= .//=-' 40.-/=4' /<@/' = 'BC.' G HBE-./' = ' =B=4=>E'6 BC.' =E40.-' = ' BC.' #<4=' HC== Í Q' K.4' B=' BC.' .@.' = '<' =-. A4.-' BC.' K A=E-'6 = ' 0./ A4' <40' BC.' H=5G .B.' 5</B.-@' = ' BC.' >-E/C' 0 /G <@.0' 4' C /' G< 4B 4A/' = ' <40/H<G.' <40' AE-./' <GG.<-' K.-@' .NB-<=-0 4<-@ R' 'C /' 0./H.40<4B/' BC.' >./B' L4= ; 4' <-.' #<4=' <4@E' D/ NB..4BC' H.4BE-@F' <40' /E4H&' 4=>E' D/.K.4B..4BC' H.4BE-@F ' = ; <-0/' BC.' .40' = ' BC.' / NI B..4BC' H.4BE-@'6 ; </<' <B<>.' B==L' EG' BC.' =/<' /B@ .'6 <40' 0. 4.<B.0' BC.' HE/B=5/' = 'C /' <A.

4' BC.' <BB.-' G<-B' = ' BC.' /.K.4B..4BC' H.4BE-@' <' GEG ' = ' BC.' #<4=' <5 @'6 4<5.0' <4<>E/<' HC='6 0 /B 4AE /C.0' C 5I /. '>@' 0 /G <@ 4A' 5EHC' =- A 4<' A.4 E/' </B 4A' </ 0.' BC.' B-<0 B =4/' = ' C /' @=EBC' <40' B-< 4 4A'6 C.' /B-EHL' =EB' <' 4.;' 4.' =-' C 5/. '6 <40' B==L' /H.4./' = ' =-0 4<-@' /B-..B' .'6 <40' 5=-.' ./G.H < @' /EHC' </' ; .-.' CE5=-=E/'6 </' BC.' /E>J.HB/' = ' C /' <-B ' Q' /' 0-< ; 4A/' /C= ;' BB .' <BB.4B =4' B=' 0.B< /' = ' =-5' =-' H= =E-'6 >EB' <-.' 4=K.' 4"0./ A4' <40' =-H > .' 4' =EB 4.' R' D 40.-/=4F ' /' 5=/B' 4=B.0' = =; .-' ; </' GG=' .B;..4' 7 ' <40' , P'6 /C<A<; <' =-=4=>E'6 = ' .0="B' 0 0' 5EHC' B=' -.40.-' BC.' <B<>.' /B@ .' G=GE <-' $-= .//=-' 40.-/=4' /<@/' Q' C.' /' H=4/ 0.-.0' BC.' 4K.4B=-' = 'BC.' . 2 2 H' D=-' X' /=H < ' G HBE-./RF'6 Q >EB' 4' -.< B@' BC.' H-.0 B' /C=E 0' >.

_' ' 4<B K.' ; - B.-' /< 0' </B' @.<-' D , F Í Q' O ' # ' % ' & ' !' % ' ' F ! !' ' (% '' !' #*! !' % ' ' '% ' * ! ' % ' #! ! C

B' -' =/ 4=' /G.<L/' = ' C 5' </' = ' .0=' Í $-= .//=-' 40.-/=4' H< /' C 5 Q' <' 4<B K.' = ' # =B= R' =' BC=' <BB.-' <EBC=- B@' BGH<L/' = ' C 5'6 </' B .' B.NB' /C=; /'6 </' BC=' 4K.4B=-' = ' BC=' 'L @=&@H'6 <' 4<B K.' <EBC=- B@' /G.<L/' = ' C 5' </' BC.' =E40.-' = ' BC=' 'B<A<; <' /B@ =

$' %0 B- D. A' B') . . A ,

3/C<-.0' ; BC' HC= R' -' =/ 4=' <40' =BC.-' 4<B K.' <EBC=- B ./"
C=; .K.-" /B<B.' = ' <B<C." ; C=' ; </' .<- .-' >@' <' H.4BK -@" BC<B'
Q'C /' G-=0EHB =4/' <-.' A.4.-< @' L4=; 4' </' ." 2 H'<40'
/<@' BC<B' /C<A<; <' =-=4=>E3/' 0 /B 4HB =4' /' BC<B' = '
-.40.- 4A' G=GE <-' BC.' /B@ .' = ' <B<>."<" /' ' C<K.' < -.<0@'
/< 0' =- ' # @=5 B/E" LE0<' </<4=>E" <40' =BC.-' <-B /B/'
< /=' 0 /B 4AE /C.0' BC.5/. K./' 4' BC.' G-<HB H.' = ' BC /' /B@ .
<- @' 4' BC.' . ACB..4BC' H.4BE-@' D<>=EB' ,2 F'<' H. .>-<B.0'
C 4./.' G< 4B.-" 4<5.0' C 4&4<5&G 4A" ; .4B' B=' <A</<L "
<HME -.0'<' A-.<B'-.GEB<B =4"<40' B<EACB' 5<4@'GEG /' BC.-'
H=E4B-@5.4' = 'C /' = =; .0'D C 4E5." C<>E/=4"<40' =BC.-/F"
<40' C 4./.' G< 4B 4A' <A< 4' >.H<5.' BC.' </C =4"<40' /G-.<0'
B/. ' BC-=EAC=EB' BC.' H=E4B-@' EB' B=; <-0/' BC.' .40' = '
BC<B' DBC.' </BF' H.4BE-@" B ;=' H=4B.5G=-<-@' <G<4./.' G< 4B.-/'
.NC > B.0' /=' 5EHC' =- A 4< B@'<40' G=; .-' </' B=' A K.'<' -./C'
/B<-B' B=' <G<4./.'<-B"<40' EG=4'<' 0 -.HB =4' B.40 4A' <-BC.-'
BC<4' .K.-' -=5' BC.' B-<0 B =4/' = ' BC.' /HC== /' C./.' ; .-.'
<-E@<5<' L=' <40' #<B?E/> L<' =LE/< ' C./.' A-.<B'
<-B /B/' 40E A.0' 4' 5=-.' 0 -.HB' -. .-.4H.' B=' 4<BE-.' BC<4'
<4@' = 'BC. -' G-.0.H.//=-/' ' L=' $-= .//=-' 40.-/=4' /<@/'
C.' =4 @' G<-B < @' H<-- .0' =EB' C /' G- 4H G ./(<40' < BC=EAC'
BC.' C @=' E" =E40.0' >@' C 5"9' C</' C<0' 5<4@' = =; .-/" B'
C</' 4=B' /EHH..0.0' 4'0 5 4 /C 4A' BC.' 4 E.4H.' = 'BC.' C 4./.'
/B@ .' <40' B/' 5=0 H<B =4/' ' =LE/< " ; C=' 0 0' 4=B' .5.-A.'
-=5' =>/HE- B@' B ' -<BC.-' <B.' 4' ." C.' /<@/' BC<B' C.' ; </'
BC.' -/B' 'DH=5 5=4.-F' = ' <G<4' ; C=' 5<0.' =-' C 5/. '
<' 4<5.' 4' <-B" <40' BC /' C /' A.4 E/' .4<> .0' C 5' B=' 0=' 4' /G B.'
= ' BC.' 4.A .HB' <40' G-= .//.0' H=4B.5GB' = ' BC=/.' ; C=' H=4I
/ 0.-.0' BC.5/. K./' BC.' >./B' JE0A./(Q'>EB' C.' < =4.' E40.-I
/B==0' BC.' . 2 2 ' <40' BC.' 5E B BE0.' = ' <05 -.-/' C.' =E40'
4' C /' = ; 4' H </' H=4/= .0' C 5" 'C.' 4..0.0' H=4/= <B =4" =-'
C /' /.H E/ =4' -=5' BC.' /. .HB' <-B /B H' H -H ./ R' =LE/<' C</

9 Q' /' 5=/B' 4=B.0'GEG ' ; </') =4L '
4' 5=-.' -.H.4B' B 5./" <4' = /C==B' = '
BC=' /HC==" 4<5.0' LEHC' =/<"
-=/.' 4B=' 4=B H."> EB' BC.' <-B&H- B H/'
0 0' 4=B' L4=; ' ; C.BC.-' =-' 4=B' B=' <05 -.' C /' -..' E4H=4K.4B =4< '
=EB 4./" ; C HC" < BC=EA ' .NG-.// 4A

405 5C @' BC=' 4B.4B =4/' = ' DC=' <-B /B"' ; .-.' <B' K<- <4H.' ; BC' < '
B .' -.K.-.0' .N<5G./' = 'G=/B' <A./'
C.' H (! " 4' B; .4B@'
K=E5./" A K./' BC.' >./B' .N<5G .' = '
C /' /B@ . R : 40.-/=43/' '4=B./

. B >EB . ; = C /0-< ; 4A/ >.C 40 C 5 = ; 4A B= BC. <HB BC<B C. 0.K=B.0 C 5/. 5< 4 @ B= /L.BHC 4A =4 ;==0 =- BC. .4A-<K.-f >EB C / BC -B@ ; . & .0 K= E5./ = .4A-<K.0 /L.BHC./ <-. < ; =-BC@ 5.5=- < = C / G= ; .-/ . .NH. .0 4 0-< ; 4A/ E/B-<B K. = BC. . = G.=G . 4 BC. . 0 <40 /B-..B A K 4A BC. H=5 H 5=-. = B.4 BC<4 BC. B-<A H =- BC. 4.EB-< </G.HB = BC 4A/(CEB C. /=5.B 5./ <GG .0 C 5/. ; BC /EHH.//3B= C /B=- H< <40 -. A =E/ /E>J.HB/ / ; =-L/ C<K. >..4 /= = B.4 H=G .0 >@ /B-<4A.-/ BC<B B / HC . @ -=5 BC.5 BC<B =-. A4.-/ C<K. 0.- K.0 BC. - 0.</ = <G<4./. G HB=- < <-B =LE/< C<0 >=BC - K< / <40 GEG / >EB 4=4. ; C= C</ .H G/.0 C / 4<5. <40 <5. CE40-.0 =BC.- 4<5./ = 4=B. 4 <G<4./ <-B 5 ACB C. A K.4 : 4<5./ 5=-. -.<0 @ -.H=A4 /.0 >@ BC. <K.-<A. <G<4./ BC<4 BCG/. = .@4= 0/ <40 =A<-BC >@ BC. <K.-<A. 4A /C5<4(>EB BC. <>=K. ; /E H. =- 5@ GE-G=/.

C<K. /< 0 BC<B B / <-A. @ -=5 /EHC /L.BHC./ </ BC=/. = =LE/< BC<B =-. A4.-/ C<K. 0.- K.0 BC. - 0.</ = <G<4./. G HB=- < <-B <40 4 BC / <HB C<K. K -BE< @ /B<B.0 BC<B BC. - 0.</ = BC<B <-B <-. .NB-.5. @ 4<--= ; <40 5 /B<L.4 C. /B@ . H=G .0 / 4= 0=E>B >=BC =- A 4< <40 HC<-<HB.- /B H 4 < C AC 0.A-.. </ ; </ BC<B = =C4 ..HC =- .N<5G . <5=4A =E-/. K./(CEB 4= =4. ; =E 0 BC 4L = JE0A 4A 4A /C <-B >@ BC. ; =-L/ = ..HC <40 4= =4. /C=E 0 BC 4L = JE0A 4A BC<B = <G<4 >@ BC. ; =-L/ = =LE/< C. C /B=- H< /L.BHC BC<B C<K. A K.4 <>=K. /C= ; / BC<B BC. . 2 2 =- G=GE <-<-B / H=5G<-<B K. @ 4 G= 4B9= B 5." <40 .//.4B < @ 4 G= 4-= = =-5 5=0.-4 <40 4= /=-B = JE/B H. B= <G<4./ <-B H<4 >. 0=4 >@ BC=/. ; C= 5 B BC. -<BB.4B =4 B= B/ 0. 4.<B =4/ =-BC /-.</=4 ; =-L/ L. BC<B = -EBC.- =-0 H=HL DW -B <40 -B 40E/B-./ = <G<G F 4 ; C HC 4.<- @ < BC. E/B-<B =4/ = G HB=- < <-B <-. 0.- K.0 -=5 BC. =4. /=E-H. 5E/B 4=B =- < 5=5.4B >. H=4/ 0.-.0 B= G-./.4B < < - A.4.-< K . ; = BC. HC<-<HB.- /B H/ = <G<4./ 0-< ; 4A <40 G< 4B 4A 9

g <5 B= 0 BC<B <-/ 5 <- -.5<-L <G<4"3>EB BC<B ; =-L 5@/. C<K. ; =E 0 <GG @ B= - <-K./3 5.- I 4=B /..4
H<4 >==L W) 5G/. <B B . -B =

<G<4./.' BC.5/.K./"6 </6 ' C<K.' ./.;C.-.' -.5<-L.0"6 <-.'
< ;<@/6'-.<0@6 B=6'>.<-6'BC.' E ./B6B./B 5=4@6 B=6'BC.'<0K<4B<A./6
0.-K.06 >@6 <G<46' -=56' C 4<6 <406' #=-.<6 BC-=EAC6 5<4@6
H.4BE-./"6 <406 46'5<4@6'>-<4HC./6 =' <-6B<406 40E/B-@6' EB6
=-.A4.-/6;C=6K/B6 <G<46'<GG.<-6'B=6'<'/=6H=5G.B.@6'E40.-6
BC.'/G.'=6'BC.'<406'<406'=6'BC.'G.=G.:<406 </H 4<B 4A6'>=BC6
H.-B<4@6'<-.:BC<B6BC.@6'<'B=6'/..';C<B6/6=-A4<6'<406';C<B6
/60.-K<B K.'46'BC<B6;C HC6BC.@6'>.C=06' EB6 46' <-4.//"6B=6
C 4<6 B6 5E/B6 >.'<HL4=;.0A.0"6 <4(06'>@6'BC.' <G<4./.'/6
<HL4=;.0A.0"6 BC<B6 5EHC6='BC<B6 Q6A-<H.'=6'=EB 4."6 -..0=56
='/B-=L."6 <406 0.H<H@6='H=E-4AR6;C HC6 HC<-<HB.-/.'
<G<4./.'<-B"6 <406 H=4/B BEB.'4=6'/5<'G<-B6='B/6 HC<-5"6 /6
0-<;4'-=56'BC.'<-B6='C 4<'C<K.'C<0"6 </6/B<B.06.<-.-6
4'BC/6 HC<GB.-"6 -<-.'=GG=-BE4B./6 =-6 H=5G<-4A6 C4./.'
G<4B 4A/6='BC.' 4'G.-=06/B 'G-./.-K.06 4' <G<4';BC6
ZBC=/.'='K<-=E/6 <G<4./.'5</B.-/"6 <406 'A-.<B @6 0=E>B6 '
-6 EBC.-=-06 H=HL6 =-6 -' <-K./"6 =-6 <4@6 =BC.-6;-B.-6
;C=6 5<@6 C<K.'.NC>B.06<6B.40.4H@6 B=6 E40.-K<E.'BC.'<-B6='
C 4<"6;=E 06>.'<> .'B=6/.G<-<B.'BC.5';BC6 H.-B<4B@6 4B=6
BC.-6-./G.HB K.'/HC==/' P'9 ';*' =E40.06 4'BC.'
4 4BC6 H.4B4-@6 >@6 #=/.'4=6 #<4<=L<"6 </6 G-.K=E/@6 /B<B.0"6
<406 H=4B 4E.06 >@6 C/6 <5@6 =-6 5<4@6 A.4.-<B =4/' S'
<*$ ';*' C/6;</6<4'<0<GB<B=4'4'BC.'.<-@6 G<-B6='
BC.'BC-B..4BC6 H.4BE-@6='BC.'.N/B 4A6-E./6=' C4./.'<-B6
B=6 BC.'-.G-./.4B<B=4'='<G<4./.'H=E-B6 H.-.5=4</"6 .BH"6 <406
<BC=EAC6 .NC>B 4A6 /L '4'B/6;<@6;</6 0.K=0'='<4@6
A-.<B6 <-B /B H6 5.-B/' '< 2'=-A4<B.0'</6<-.<0@6
0./H->.0'4'BC /6 HC<GB.-' '-=EAC @6 0-<;4'H<-H<BE-./6
<3.'/B 'L4=;4'</6 =><&@S6>EB6 =><6 =J=6 0=./6 4=B6 <GG.<-6
B=6 C<K.'>..4'/EHH..0.0'>@6 <-B /B/6 <B6<'H=5G<-<>.';BC6
C5/.' '<B.-6 =-5'='H<-H<BE-."6 =-A4<B.0'>@6 ;</<6
B<>."6 <40' -/B6/=0'<B6BC.'<4H .4B6H B@6='B/E"6 0.-K.0'B/6
4<5.'-=5'BC<B6 G<H."6 <40'>.H<5.'L4=;4'</"6 " *2 1'
',"6 *';*'4=BC 4A6 4..0'>.'<00.0'B=6;C<B6C</6<-.<0@6
>..4'/<0"6 >EB6='BC.'/HC==' =E40.0'>@6 =/.B/E3/6 GEG ' ./&

9Q6 =6'<-B /B/6'='4=B.'H=4B- >EB.0'B=6 G-./.4B6 =E40' 4' # =B="6 /<L<"6 <40'
5<4B<4'B =6'-.GEB<B=4'5<0.'>@6BC.' =BC.-6G<H./6<-.'/H<-H.@6;=-BC@6='
=E40.-"6 <40' BC.' W B/E&@.'3 E/6 4B % :1*H %

$' %0 B1 'D. ' B' . . A

/ E'' ' @ *'; * ' ' 5E/B' ME=B.' <' .;' ;=-0/1' Q .// E'' < B.-' /BEO@ 4A' 4' C 4<'' >.H<5.' =4.' = ' BC.' A-.<B./B' <-B /B/' = ' <G<4 ' /' 5=/B' 4=B.0' GEG /' ; .-.' C 4A.B/E' <40' .//=4'' >EB' 5<4@' ; . &L4=;4' G< 4B.-/' >. =4A.0' B=' C /' /HC== ' C.' .//C E' 4' /=' H =/. @' -./.5> .0' BC.' #<-<' E'' BC<B' B' ;</' G-=><> @' =4 @' BC.' H. .>- B@' = ' .//C E' BC<B' A<K.' BC.' /HC==' <' 0 /B 4HB K.' B B . ' 4.' = ' C /' 0./H.40<4B/' K 4A' 4' BC.' </B' H.4BE-@' 5< 4B< 4.0' BC<B' BC.' <G<4./.' <-B' = ' C /' G.- =0' ;</' </' 5EHC' W#<-<&@.' </' BC<B' = ' 5=0.-4' C 4./.' G< 4B.-/'' >=BC' >. 4A' 0-<;4' -=5' BC.' /<5.' /=E-H.'' <40' 5=-.' =-' .//'' 5=0 .0' >@' 40 K 0E<' <-B /B/' R' D 40.-/=4F' ' '' < ' ; * ' B' /' 4..0 .//' B=' <00' B=' ; C<B' C</' >..4' /< 0'' >.@=40' =>/.-K 4A' BC<B'' ; C .' B' < =-0.0' H=4/ 0.-<> .' 0 /G <@' =-' H= =E- 4A'' B/' 5 .- B' 4H 4.0' B=' 0.H=-<B K.' -<BC.-' BC<4' B=' 5<A 4<B K.' =-' B-EBC E ' <-B ' 9 ' ; * ' BC.' >./B&L4=;4' <40' 5=/B' 4 E.4B <' = ' < ' BC.' 4<B K.' /HC== /'' <40' H=5 4A' 0=;4'' </' ;.' C<K.' /..4'' -=5' BC.' B..4BC' H.4BE-@' B=' =E-' =;4' 0<@' ' ' ; * ' <40' 2'' . 2 ' 2 ' < -.<0@' 0./H- >.0 ' C.' <BB.-' 4<5.' ' C<K.' -.40.-.0' </' Q' /=H <' G HBE-./' >@' =BC.-/' B' /' /=5.B 5./' -.40.-.0' Q ;=- 0 @' G HBE-./ R' B' B.-< @' 5.<4/'' ' <5' B= 0'' Q' =<B 4A' ;=- 0"R' <40' 5G ./' BC<B' BC.' /E>J.HB/' <-.' B<L.4' -=5' <HBE<' .'' 4' 0 /B 4HB =4' -=5' BC.' <K=E- B.' E00C /B H' <40' .A.40<-@' 5=B K./' = ' BC.' = 0.-' /HC== /' Q' C.' . 2 2 ' 5<@' >.' 0 K 0.0' 4B=' B;=' /.HB =4/'' <4' =-0.-' B=' ; C HC' >. =4A' /C A<;<' =-=4=>E' <40' C /' = =;.-/'' <40' <' 5=0.-4' GC</.' = ' ; C HC' =LE/<' /' BC.' G-./ 0 4A' A.4 E/ R' C.' G HBE-./' = ' /C A<;<' =-=4=>E'' 4=B' E4 L.' BC=/.' = ' BC.' =/<' E' 4' /B@ .'' -.G-./.4B' <' .//' HC<-<HB.- /B H' GC</.' = ' <G<4./.' .' BC<4' BC=/.' = ' =LE/<'' <40' <-.' .//' /G - B.0' <40' B-EBC E ' C.' <B.-' 62 2 ' /' >./B' .N.5G .0' 4' BC.' =LE/<' 6 #* ' <40' BC.' '' 2 ' * *'>@' #./<' -=/C A.' =-.' 5<@' >.' .<-4.0' = ' BC.' B-E.' 4<BE-.' = ' BC.' <G<4./.' 5<//./' -=5' <' /BEO@' = ' BC./.' 5<-K. =E/' H= .HB =4/' = ' /L.BHC./' BC<4' -=5' <' >-<-@' = ' BC.' 0./H- GB =4/' = ' BC.' H=E4B-@' =E40' 4' E-=G.'' >EB' B' /' 4.H.//<-@' BC<B' .K.-@' G<A.' /C=E 0' >.' .NG < 4.0' 2' <' <G<4./.'' <40' G.-C<G/' >@' <' <G<4./.' $ ' =4.' = ' BC.' H</' =-' ;C=5' BC.' ' ;=-L' ;</' H=5G=/.0X' D 40.-/=4F

P @ 2 I * C / /HC== ; </ =E40.0 </ G-.K =E/ @ /B<B.0 >@ C = <40 ; </ HC<-<HB.- /.0 >@ < 5=-. 0 -.HB <40 =@< -./=-B B= 4<BE-. BC<4 C / G-.0.H.//=-/ C<0 < = ; .0 BC.5/. K./(>EB BC. 4 E.4H. = C 4./. G- 4H G ./ <40 5.BC=0/ ; .-. B== /B-=4A .K.4 =- C 5 <40 C. ; </ 4=B /EHH.// E 4 4/G - 4A C / GEG / .K.4 ; BC BC. /<5. <5=E4B = 0.K=B =4 B= 4<BE-. </ <4 5<B.0 C 5/. S ; * * =- EOOC /B G< 4B 4A/ C. -/B G< 4B 4A/ L4= ; 4 4 <G<4 ; .-. = BC / L 40 <40 < BC=EAC BC. /B@ . ; </ 5G=-B.0 -=5 #=-.< B / G-=><> @ = 40 <4 -<BC.- BC<4 = C 4./. =- A 4 C / >-<4HC = <-B >.<-/ H =/. <40 HE- =E/ <4< =A ./ B= BC. .<- @ -. A =E/ <-B = E-=G. >=BC >. 4A G-<HB /.0 HC . @ >@ 5=4L/ <40 >=BC .NC > B 4A 5EHC >- ACB <40 0.H=-<B K. H= =E- 4A ; BC < -.. E/. = A= 0 J BC. 0 /G <@ = /< 4B @ =-5/ <40 A =- H<B =4/ </B @ ; * <4 E4 5G=-B<4B >EB H=5 5=4 /B@ . = G< 4B 4A .5G =@.0 =- BC. E/B-<B =4 = G=.B-@ 5=/B -.ME.4B @ >@ 4=> . <5<B.E-/

C. G-<HB H. = G< 4B 4A 4 C 4./. D=- Q 40 <4 RF 4L / .NH..0 4A @ H=5 5=4 4 <G<4 <40 BC / =-5 = <-B /0./ AI 4<B.0 @*$ - A 4< @ BC / G-.K< .0 =4 @ <5=4A G=.B/ <40 B.-<-@ G.-/=4/ <40 C<0 /<@/ < 4<B K. ; - B.- Q G=E- H<-<HB.-. 0 /B 4HB . >=4 A=EB R . A=./ =4 B= /<@ 1 Q ./ G. 4B-./ ME =4B .4/E B. 5 B. H. A.4-. 0. G. 4BE-. =4B ME. ME. = /K=E E -.G-./.4B.- /=E/ E4. =-5 . .A.-. E4. 0 ./.- .E/." .B=4B /EGG . .G<- = / <EN 5G.- .HB =4/ 0. 3./ME //. G<- 0./ /B-=GC./ 0. G=./ . ./ -.A ./ -. <B K./ < H. A.4-. /=4B G.E 4=5>-.E/./ .B K<AE./(5< /" >B.4 ME. ./ B-< B/ .4 /= .4B K A=E-.EN .B C<-0 /" =4 @ -.B-=EK. G=E-B<4B H.-B< 4/ G.B B/ 0.B< / ./ /EJ.B/ <K=- /0./ G. 4B-./ 0. H. A.4-. /=4B ./ / B./ G BB=-./ME./" ./ 5=4B<A4./ <>-EGB./" ./ -=HC.-/ ./H<-G./" .BH (/B-<4/G=-B.4B" G=E- < 4/ 0 -." G<- 3 5<A & 4<B =4" . /G.HB<B.E- /E- ./ .EN 5.5./ R 4. ; =E 0 /H<-H. @ C<K. /EGG=/.0 BC<B BC./. </B =>/.-K<B =4/ ; .-. /G.H < @ <GG H<> . B= 40 <4& 4L 0-< ; 4A/(>EB BC.-. BC.@ <-." 4 <4 = H < -.H=-0 <40 BC.@ 5E/B >= B<L.4 </ BC. .NG-.// =4 = BC. =G 4 =4 = BC. 4<B K. ; - B.-

4B H G<B 4A BC<B 5@ = ; 4 =G 4 =4 = <G<4./. <-B ; =E 0

H<--@' >EB' BB .' ; . ACB' ; BC' B'" <40' 4.K.-BC. .//' 0./ - 4A' B=' 4H E0.' 4' BC /' ; =-L' /=5.' /B<B.5.4B' = ' B/' HC<-<HB.- /B H/' BC<B' ; =E 0' >.' K< E<> .' B=' 5@' -.<0.-/'" ' =>B< 4.0' -=5' 5@' - .40'" EG=4' ; C=/.' L 404.//' ' C<K.' < -.<0@' /=' -.ME.4B @' 0-< ; 4' 4' BC /' HC<GB.-' $-= .//=-' 40.-/=4'" BC.' = = ; 4A' /E5 5<-@' = ' C /' H=4H E/ =4/' 1 :

Q' # 2' ') # : =B' /B-=4A @' 5<-L.0' E4B ' ; BC 4' BC.' </B' B ; =' CE40-.0' @.<-/'" 5=/B' = ' BC.' = 0.-' G HI BE-./' >. 4A' K<- <B =4/' = ' C 4./.' 5=0. /' B' = ' <' C AC' =-5' /' G.-H.GB > .' .K.4' B=' BC.' =-. A4' .@.' 4' 5<4@' 0-< ; 4A/' = ' BC.' =><&@.' <40' ' L @=&@<

%= $3 ' : ' .<- @' < ; <@/' A==0'" BC.' A-=EG 4A' = ' AE-./' <40' <HH.//=- ./' H=4B- >EB 4A' </' <-' </' G=// > .' B=' B. ' BC.' B< .' <40' B=' G .</.' BC.' .@.

Q' J A # : 5=/B' 4K<- <> @' H=4K.4B =4< ' NH. .4B' 4' > -0/'" = ; .-/'" 5=4L.@/'" /C./'" <40' 4/.HB' .' ! . .HI B K.' </' -.A<-0/' <4<B=5@' 4' BC.' CE5<4' AE-.' <40' 4' 5=/B' <4 5< /'" >EB' /EHH.// E ' 4' H=4K.@ 4A' 5G-.// =4/' = ' <HB =4'" <40' E/E< @' H=--.HB' 4' BC.' G-=G=-B =4< ' -. <B =4/' = ' 0 .-.4B' G<-B/' = ' <' AE-.

Q' 5 3 + : < /.' 4' <' .;' 5=0.-4' G HBE-./' 5=-.' =-' .//' /EHH.// E ' . =-B/' B=' -.< /.' 0 /B<4H.' >@' N 4A' K<4 /C 4A' <40' 0 /B<4H.' G= 4B/' C<K.' >..4' 5<0.'" >EB' 4' BC./.' H</./' BC.' <-B /B' C</' -.H. K.0' .0EH<B =4' -=5' E-=G.<4/' 4@' G< 4BI 4A' 4' ; C HC' BC.' < ; /' = ' G.-/G.HB K.' <-.' =>/.-K.0' /' ' ' 3 $ ' ' 3 ' ' ' BC.' < /.' G.-/G.HB K.' BC.-.' <-.' B ; =' L 40/'" =4.' 4' ; C HC'X 4./' G<-< .' 4' 4<BE-.' <-.' 5<0.' B=' 0 K.-A.' </' BC.@' -.H.0.'" <4=BC.-' 4' ; C HC' BC.@' <-.' 0-< ; 4' G<-< .' ; BC=EB' <4@' H=4K.-A.4H.' B= ; <-0/' < 0 /B<4H.' G= 4B' =-' G= 4B' = ' / ACB ' C.' 5G-.// =4' = ' 0 /B<4H.' /' =>B< 4.0' >@' <4' <>/E-0' . .K<B =4' = ' BC.' C=- ?=4B< ' 4.' 4' BC.' C 4./.' HC== ' <40' B/' 5=0 H<B =4/'" <40' >@' BC.' 4B.-I G=/ B =4' = ' H=4K.4B =4< ' H =E0/' B=' /.G<-<B.' 4.<-.-' -=5' 5=-.' -. 5=B.' =>J.HB/

Q' = * , : >/.4B ' ' < /.' HC <-=/HE-=' /' = B.4' G-<HB /.0'" <40' BC /' >@' - ' <-K./' <40' -' ' H=HL' C</' >..4' <HH.GB.0' </' BC.' A.4E 4.' . .5.4B ' AE-./' 4' / C=EI .BB.' <A< 4/B' <' 5==4 B' /L@' <-.' = B.4' 0-< ; 4' >@' BC.' ' L @=&@.

<-B /B K+) -=4B /G .H. 4 H=HLF >EB BC. =K.-/B-< 4.O 5<A 4<B K.0./H- GB =4/ = /EH> . =-B/ <-. 5.-. B.-<-@ 0.H=-<B =4

Q C.-. <-. 4= /C<0= ; / 4 <4@ B-E. <G<4./. G HBE-./

Q = * : -=5 < 0.H=-<B K. G= 4B = K . ; BC. H= =E- / 5=/B @ B= >. C AC @ G-< /.0 </ BC. >.BB.- <G<4./. G< 4B.-/ <-. 5</B.-/ = C<-5=4 ./ <40 H=4B-</B/ (>EB BC. <>/.4H. = < BC. K<- .B@ = B 4B G-=0EH.O >@ /C<0= ; / <40 0 -.HB <40 -. .HB.O ACB/ G-.K.4B/ H- B H /5 -=5 C AC.- A-=E40

Q C. = 0.- <G<4./. G< 4B 4A / HC . @ H< A-<GC H(BC. 5=0.-4 HC . @ 0.H=-<B K. < A-<GC@ <40 G< 4B 4A ; .-. 4 = O B 5./ ./B..5.O </ .ME< @ 5G=-B<4B >-<4HC./ = BC. 4. <-B/ <40 4 >=BC C 4< <40 <G<4 < / 4A . HC<I -<HB.- ; - BB.4 >@ < 4=B.O H< A-<GC.- ; =E O = B.4 H=5 5<40 < C AC.- G- H. BC<4 BC. 4./B /G.H 5.4 = G HB=- < <-B

Q C. 0./ A4/ =- 5.B< ; =-L K=-@ <40 ; ==O H<-K 4A/ <40 G=-H. < 4 <40 <HME.- 0.H=-<B =4 ; .-. < 5=/B 4K<- I <> @ /EGG .O >@ 4=B.O G< 4B.-/ = BC. C 4./. # <4= =/< =- $=GE <- HC== / (C.4H. < BC. 5G=-B<4B ME< I B./ = <G<4./. <-B 5E/B >. /=EACB 4 B/ G HB=- < 5<4 ./B<B =4/ R

B 5<@ 4=B >. 0..5.O < B=A.BC.- J -./E5GBE=E/ =- 5. B= .NG-.// H=4HE--.4H. 4 BC. <>=K. =G 4 =4/ <40 B= <00 B= BC.5 BC. = = ; 4A -.5<-L/ 1 -/B <- .A<-0/ 0./ A4 B <GG.<-/ B= 5. BC<B BC. <>/.4H. = 4=K. B@ <40 G= ; .- 4 BC. .N.-H /. = BC / >-<4HC = G HB=- < <-B 4 BC. .<- .- /HC== / ; </ 0E. .// B= BC. <>/.4H.X= BC. 4.H.//<-@ <HE B@ BC<4 B= BC. - A O B-<0 B =4/ <40 -E ./ E40.- ; C HC BC. . = <G<4 ; </ H=40EHB.O =- /= 5<4@ H.4BE- ./ BC < -. A =4 =E40.O =4 BC. ; =-/C G = <4H./B=-/ <40 < BC. = H./ = BC. /B<B. <40 = BC. HCE-HC /= B= /G.<L 0./H.40 4A 4 <5 ./ BC. .K . .HB/ = ; C<B ; . C<K. L4= ; 4 4 =E- G</B </ G<B-=4<A. 5E/B C<K. G-.//.O C.<K @ 40..O EG=4 < - / 4A <-B /B H <HE B@ 4 <4H .4B <40 5.0 <.K< <J <4 =- BC. ; C= . GE> H . = BC. H=E4B-@ ; </ < /@/B. 5 = G<B-=4<A. 4 < C AC @ =-A<4 /.0 <40 BC.-. =- 4 < K.-@ =GG-.// K. =-5 4 BC. /GC.-. = B.-<BE-. H=4H.-4 4A ; C HC ; . C<K. 4<BE-< @ A=B B= L4= ; 5=-. BC<4 = BC<B = G< 4B 4A .K &

H .4H./' = ' BC /' -./B-< 4 4A' 4 E.4H.' <>=E40' ' K.4' E40.-' @h</E'<40'BC.'/EHH..0 4A' C=AE4/'='C /' <5 @ : <40'E40.-' C 5'<40'BC.5'BC.'A.4 E/' = 'BC.' H=E4B-@'<GG.<-/' -/B'B='C<K.' >.AE4'B='.NG<40' -.. @ : BC.' <>=E-/' = 'BC.'A-.<B./B' 4B. .HB/' ; .-.' GE-/E.0' E40.-' 5=-.' =-' .//' >E-0.4/=5.' H=40 B =4/'' BC.' 5 B<-@'<40'H K '/EG-.5<H@' = 'BC.' =LEA< ; </' >. 4A' = 'H=E-/.' BC.' G- 5<-@' H=4/ 0.-<B =4' C.4' A-.<B.-' -..0=5' >.H<5.' G=// > .'' .-B B@' = ' 0./ A4' <GG.<-.0' ; BC' B' 4' <' -.5<-L<> .' 0.A-..'' <40' 4'BC /' <HB'' B' /..5/' B='5.'' BC.'H<G<> B@' = 'BC.' <G<4./.'>.H<5.'K 40 H<B.0' B' ;</' /< 0'>@' G .'BC<B'>EB' =-' BC.')-..L/' .K.4'>.<EB@' 4'4<BE-.' B/. ' ;=E 0' G.-C<G/' C<K.' -.5<4.0' E40 /H=K.-.0' E4B ' 4=;'' =-' /=' <-' 5 /E40.-/B==0' BC<B' ;.' 5 ACB' C<K.' G-. .--.0' BC.'<-B H < @'H- GG .0' =-5' = 'BC.' C 4./.'' =-' BC.' -<4L' <40' KE A<-' -.0E40<4H.' = ' <' .5 /C' .5< .''/<@'' B='BC.'%.4E/' = 'BC.' - >E4<' 40' ' ;.' =-' <' 5=5.4B' -./B- HB' BC.'GC-</.' Q'>.<EB@' 4' 4<BE-.'H 4'BC.' 5<44.-' B=' ;C HC' C /' E/B-<B =4' G= 4B/'' K ?' B=' >.<EB@' = 'BC.'CE5<4' =-5'' 4=' =GG=/ B =4'B=' C /' -.5<-L' H=E 0'>.'0-<;4' -=5' <G<4./.'<-B'' =-' H.-B< 4 @'CE5<4'>.<EB@'C</'4=B'>..4' <B' < ' ;=-BC @' <GG-.H <B.0' =-' E/B-<B.0' 4' <G<4' =-' 40..0' H=E 0' B' >.' E/B-<B.0'E4B ' ME B.'-.H.4B @'DC=;.K.-' 5EHC' B' 5 ACB'>.'<GG-.H <B.0F'' =-'BC.'G- 4H G ./' = '<4<B=5@' ; .-.' E4L4=;4' 4' <G<4' <' H.4BE-@'<A=9' 4'G= 4B' = ' <HB

' ' <' G<G.-' =4'BC.' .=- @' /BEO@' = ' ' ! EBH ' 4' <G<4'' -.<0' <B' B .' / <B H' =H .B@' BC.-.' >@' # ' B/ELE-'' <' 4<B K.' A.4B .5<4'' BC.' <EBC=-' A K./' <' K.-@'ME< 4B'<40' 4B.-./B 4A'<HH=E4B' = ' BC.' 4B-=OEHB =4' = ' <4<B=5 H<' /BEO@' <B' <A</EL '' B' /' 0.-K.0' HC . @' -=5' BC.' G=/BCE5=E/' &;=-L' = ' <' GC@/ H <4' 4<5.0' EA B<' E/<'' ;C=' /' -. .--.0' B=' 4' B .' = =;I 4A' .NB &4HB' </' B .' <EBC=-' -' B/ELE-' ;-B./1 Q' E=B .-' -.40' = ' BC.' <EBC=-'' <L=A -<' # = ;<4'' < /=' <' GC@/ H <4'' /.-K 4A' E40.-' BC.' /<5.' !<5 =' </' C 5/. '' >. 4A' 4B.-I ./B.0' 4' BC.' G-=OEHB/' = ' 0 =-.4B' H=E4B H/'' ;</' <' H=4/B<4B' K / B=-' <B' BC.' ME<-B.-/' = ' BC.' ! EBHC' ;C.4.K.- BC.@' <GG.<-.0' 4' .0=' B' ;</' 4' ,, '' =4.'0<@'' BC.' 4B.-G-.B.-' /C=;.0' C 5' B ;=' ! EBHC' >==L/' =4' <4<B=5@' ; C HC' ; .-.' =-' /< . ' .' B==L' BC.5' C=5.'' <40' <5=4A' BC=/.' ;C=' /<;' B=='G==-' =-BE4<B. @'' C=;.K.-'' C=' EH==.0.0' 4' G.-/E<0 4A' <' 8 #' DH=E4H =-F'' ;C=' >@' C /' 4 E.4H.' C<0' BC.' G- H.' G< 0' -=5' B -.' GE> H' B-.</E-@' = ' B =' ! < 5 =' K=-' < B.-' B /'' EA B<' =4A.0' =-' BC.' =G ;-BE&

BC.' >.<EB@' = ' BC.' CE5<4' =-5' C</' 4=B' C BC.-B=' 5<0.' <4@' ;=-BC@' 5G-.// =4' =4' <G<4./.' <-B ' =5<4' C</' >..4' L.GB' 4' <4' 4 .-=-' G=/ B =4(' .K.4' C.-' <H.' C</' =-' BC.' 5=/B' G<-B' >..4' 0. <H.03>@' BC.' /C<K 4A' = ' BC.' .@.>-= ; /' <40' BC.' > <HLI .4 4A' = ' BC.' B..BC(C.-' A< B' C</' >..4' -E 4.0' >@' BC.' H E5/@

4 B@' B=' B./B' ; C HC' = ' BC.' BC.=- ./' ; </' H=--.HB' " .' C<0' 4=B' B=' ; < B' K.-@' =4A ' /' A. =0' EHL' ; =E 0' C<K.' B'" C.' ; </' 4K B.0'" /C=-B @' < B.- ; <-0'" B=' <' 0 //.HB =4' ; C HC' ; </' B=' B<L.' G <H.' 4' BC.' .N.HEB =4' A-=E40/' = #=?EL<GG<-<' ' EHC' <' BC 4A' ; </' = ' -<-.' =HHE--.4H.' <B' BC<B' 5."&<40' ' EA B<' ; </' 4=B' BC.' 5<4' B=' .4J=@' B' >@' &C 5/. ' B.' L4. ; ' BC<B' /.K.-<' = 'C /' - .40/'" <5=4A' =B .-/' <L<&' A< ; <' # = ; <C'<40' <@B 0<' =B<LE'" ; =E 0' >.' %.-@' A <0' B=' <K< ' BC.5I /. K./' = ' /EHC' <4' =GG=-BE4 B@' ' .' 5E/B' .B' BC.5'L4= ; '" >@' < ' 5 .<4/(/=' C.' ; -=B.' B=' BC.5'" BC=EAC' B' ; </' /=5. ; C<B' 0 HE B' B=' 0=' BC /'" <40' <GG= 4B.0' <' G <H.' B=' 5..B' 4.NB' 5=-4 4A' C.' <4N =E/ @' .NG.HB.0' 0<@' H<5.'" <40' < ' ; .-' G-=5GB @' <B' BC.' -.40.?K=E/ ' <@.0<' C<0' ; BC' C 5'<' ! EBHC'>==L'=4'<4<B=5@'" ; C HC' C.' C<0' >=EACB' 4' <A</<L' /=5.' B 5.' >. =-.'" <40' ; C.4' BC.@' H<5.' B=' .N<54.' B'" B' G-=K.0' B=' >.' BC.' /<5.' </' =4.' = ' B =/=' ; C HC' EA B<' C<0' >..4' =-BE4<B.' .4=EAC' B=' G-=HE-.' <B. @' .@' ; .-.'/==4' 4' #=?EL<GI G<-<'" B .' <5=E/' .N.HEB =4' A-=E40/' 4.<-' /<LE/<' C.' C=E-' =-' ; C HC' B .@' C<0' =4A.0'C<0' <HBE< @' H=5. ' .@' ; .-.' <>=EB' B=' L4= ; ' ; C.BC.-' BC.' BC 4A/' BC.@' <40' BC. -' <BC.-/' <0'>. .K.0' 4' ; .-.' - ACB' =-' ; -=4A ' H<4' 5<A 4.' C= ; ' BC. -' C.<-B/' 5E/B' C<K.'>.<B'" .'0 //.HB =4' ; </' G.- =-5.0' >@'<4' = 0' .N.HEB =4.-'" <4' ! ' ; =' C<0'C<0'/=5.'.NG.-.4H.' 4' BC /' 4. ' C.' -./E B' /' /==4' B= 0' C.@' = 'H=E-/.' =E40'BC<B'BC. -'BC.=-@' ' .4B -. @' 5 /B<L.4'" <40' BC.' ; <@' 4' ; C HC' B .' E/B-<B =4/' 4' BC. -

4. ; ' >==L' H= 4H 0.0' ; BC' -.< ' =>J.HB/' -< /.0' BC. -' <05 -<B =4' B=' <' C AC' 0.A-.. ' 4'BC. -' ; <@'><HL'" <@.0<'" <L<A< ; <'" <40' EA B<' ; .-.'B=A.BC.-' C.' .K.4B/' ; C HC' C<0' B<L.4' G <H.' = ' <B.' 5E/B' C<K.' /..5.0'B=' BC. 5' </' 'BC.@'C<0' >..4' G-.<--<4A.0 ' =; ' =-BE4<B.' BC<B' <L<A< ; <' /C=E 0' C<GG.4' B=' /.' BC=/.' >==L/'" BC<B' EA B<' /C=E 0' >.' <> .' B=' >E@' BC.5'" ŽBC<B' BC.@' /C=E 0' C<K.' <' H <4H.' B=' B./B' RBC. -' 0=E>B/' ' 40' ; <B' <' H= 4H 0.4H.' B <B' <@00<' /C=E 0' G=/H /.//'BC.'/<5.'>==L' ' /'BC.@' ; < L.0' C=5.'BC.@'B< L.0' .<-4./B @' ' C<5.' BC<B'BC.@' /C=E 0' C<K.' K.0' < 'BC. -' K./' </' GC@/ H <4/'" <40' 4=B' L4= ; '" B ' 4= ; '" BC.' H=4/B-EHB =4' = ' BC.' CE5<4' >=0@'" =4' ; C HC' BC.' /H .4H.' = ' 5.0 H 4.' ; </' 4.H.//<- @' =E40.0' ' 'BC.@' H=E 0' E40.-/B<40' BC.' B-E.' G- 4H G .' = ' <4<B=5@' -=5' BC.' -.< ' = J.HB/' BC.@' C<0' JE/B' /..4'" 'BC.@' H=E 0' B-<4/ <B.'B /' >==L' ; C HC' BC.@' C<0' =>B< 4.0' /=' EHL @'" BC.@' ; =E 0' 0=' <4' 55.4/.'/.-K H.'B=' BC.'H=E4B-@'" <40' ; =E 0' 4=B' C<K.' K.0' 4' BC /' ; =- 0' 4""K< 4 ' =' BC.@' ; .4B' =4'" <40' ; C.4' BC.@' /.G<-<B.0' =-' BC.' 4 ACB' BC.@' C<0' H=5.' B=' BC.' <A-..I 5.4B' BC<B' BC.@' ; =E 0' B-@' B . -' >./B' B=' 5</B.-' BC.' /B-<4A.' <4AE<A.'" <40' B <B' </' /EHC' B 4A/' ; .-.' BC.' >.BB.-' BC.' /==4.-' >.AE4'" BC.@' ; =E 0' H=5I 5.4H.' BC.' K.-@' 4.NB' 0<@' C.@' C<0' /.B' >. =-.' BC.5' <' C<-0' B<'/L'" >EB' BC.@' ; .-.' 0.B.-5 4.0'B=' <HH=5I G /C' B' /' BC.@'G<-B.0'" BC. -'C.<-B/' ; .-.' G.-C<G/' B=='' E ' B=' /G.<L'" >EB' BC.@' 5E/B' C<K.' /C<L.4' C<40/' 5=/B' C.<-B @'" ' /EHC' <' BC 4A' C<0' >..4' L4= ; 4' BC.4 R

H4 ' K0 B1 'D. A' B' . . A F,

H =A/' /C.' C</' C<0' B=' ; .<-'' <40' >@' BC.' <-B H < ' /@/B.5''= ' BE-4 4A' BC.' B=./' 4 ; <-0(<40' BC.' ; =40.-' /' BC<B' /=' 5EHC' A-<H.' <40' HC<-5'' <40' >. <EB@' B=='' C<K.' /E-K K.0' /=' 5<4@' <A./' = ' 0.G-.// =4' <40' 4JE-@ ' =-' BC<B' 5<4@' <-.' >. <EB E '' <40' K.-@' >. <EB E '' H<44=B' >.' 0=E>B.0' >@' <4@' =4.' ; C=' C</' /..4' 5EHC' = ' BC.' G.=G . ' B '' BC.' <-B' = ' <G<4'C</' @.B'B=' 0.K. =G' /@5G<BC@' ; BC' BC<B' /B-.4ABC' <40' /@5 5.B-@' <40' >. <EB@' = ' BC.' CE5<4' =-5' ; C HC' A<K.' B=' BC.' <-B/' = ') -..HC' BC. -' C AC./B' <40' 5=/B' .40E- 4A' A =-@ ' EB' ; C.4' ; .' .5G =@' BC.' GC-</.' Q >. <EB@' M' 4<BE-.R' 4' B/' >-=<0.-' <40' 5=-.' < ; E /.4/.'' ; .' C<K.' B=' /<@' BC<B' ; BC=EB' BC.' < 0'"= ') -..H.& :.K.4' 4' BC. ' 40 -.HB' <40' 0E> =E/' ; <@' = ' B-<4/ B' BC-=EAC' 40 <4' <40' C 4./.' <-B : <G<4' C</' 0.K. =G.0' < A.4E 4.' <40' 4B.4/.' =K.' = ' 4<BE-< ' =>J.HB/'' <40' 4' H=44.HB =4' ; BC' BC.5' < G= ; .-' = ' 0./ A4' >=BC' .5 4.4 * <40' <BB-<HB K. ' =B' =4 @' 4' B/' 0 < ; 4A/' <40' G< 4B 4A/'' >EB' 4' =BC.-' >-<4HC./' = ' <-B'' BC=' <G<4./.' C<K.' .K 4H.0' < ; =40.- E ' G= ; .-' = ' <--<4A 4A' Z4<BE-< ' =>J.HB/' 4' /EHC' -. <B =4/' B=' .<HC' =BC.-' </' B=' A K.' A-<H.' <40' HC<-5' B=' BC.' ; C= .! <40' BC.' /<5.' BC 4A' /' B-E.' ; C.4' ; .' G</' >.@=40' BC.') # ' = ' BC. -' ; =-L/' B=' BC.' $L 3 ' 40' G.-C<G/' = ' < ' BC.' 0 K / =4/' = ' <-B' 4=4.' E-I 4 /C./' < B-E.-' =-' >.BB.-' B./B' = ' /=E40' <-B /B H' .. 4A' BC<4' BC / ' =' 0./ A4'' 4=' 0-< ; 4A'' 4=' H= =E- 4A'' 4=-' <4@' =BC.-' ME< B@' H<4' -.0..5' < ; =-L' = ' <-B' ' B' >.' ><0 @' H=5G=/.0' Q' C.' H=5G=/ B =4"R' </' C</' >..4' /< 0'' Q' /C=E 0' <GG.<-' BC.' B-E.' . EN' = ' < 5 40' /=' C.<B.0' <40' E ' = ' BC.' /E>J.HB' </' B=' =/.' < ' -.A<-0' <40' <BB.4B =4' B=' .K.-@BC 4A' =-. A4<40' < BC=EAC' /=5.' 5<@' /EGG=/.' BC<B' BC /' E 4./' <40' .-K=E-' = ' BC.' 5 40' H<4' =4 @' >.' =HH</ =4.0' >@' /B- L 4A' /H.4./' =-' H -HE5/B<4H./'' BC.@' -.< @' <-.' BC.' G-=K=H<B =4/' = ' BC.' B-E.' <-B /B' B=' BC.' <HH=5G /C5.4B' = ' ; C<B.K.-' =>J.HB' C.' /.B/' >. =-.' C 5/. ' C.' H=5G=/ B =4' = ' <G<4./.' G HBE-./' /' E/E< @' 4=B<> .' =-' B/' G .</ 4A' . .HB/

C<B' C</' >..4' /< 0' = ' 0./ A4' /' .ME< @' B-E.' = ') A ' </' -.A<-0/' BC.' <>/.4H.' = ' /EHH.//' 4' 0.< 4A' ; BC' BC.' CE5<4' =-5'' <40' 40..0' ; BC' < ' BC.' C AC.-' <4 5<' =-5/(' <40' L.; /.' </' -.A<-0/' BC.' B-E.' <40' A-.<B' /EHH.//' ; BC' ; C HC' > -0/'' = ; .-/'' <40' =BC.-' /EHC' 4<BE-< ' =>J.HB/' <-.' -.40.-.0

% B ' " /

BC.@' C<K.' /C= ; 4' B=' <0=GB' =-. A4' 0.</'" <40' 5 B<B.' E-=G.<4'
<-B/' <40' HE/B=5/' 4' BC.' G-./.4B' 0 @'" ; .' H<44=B' C. G' /.. 4A'
BC.' G=// > B@' = ' BC. -' C<K 4A' >=--= ; .0' /=5.BC 4A' 4' BC.'
; <@' = '<-B R' 4/ ; .-/'" <40' H .<-' <40' H=4H E/ K.' =4./'" B=' BC.'
ME./B =4/' C.-.' -< /.0' H<4' 0=E>B .//' >.' =>B< 4.0' -=5' <' H<-.I
E ' HC-=4= =A H<' /BE0@' = ' <G<4./.' G HB=- < ' ; =-L/'" <40' B' /'
G=// > .' BC<B' $-= .//=-' 40.-/=43/' >==L' 4= ;' 4' G-.G<-<B =4'
5<@' E-4 /C' E/' ; BC'BC.5 3 EB' ; C<B.K.-' 5<@'>.' BC.' B-EBC' = '
BC /' 5<BB.-'" <40' ; C.BC.-' BC.' G= ; .-'>.' 4<B K.' =-' 0.- K.0'" B'
5E/B' >.' <HL4= ; .0A.0' BC<B' < BC=EAC' <G<4./.' G.-/G.HB K.'
/' E/E< @' 5=-.' =-' .//' < /.'" B' = B.4' H=5./' ; =40.- E @' 4.<-'
BC.' B-EBC'" ./G.H < @' </' -.A<-0/' <.- < ' G.-/G.HB K.

C.' /B<B.5.4B' BC<B' Q'BC.-.' <-.' 4=' /C<0= ; /' 4' <4@' B-E.'
<G<4./.' G HBE-.R' /' <' K.-@' /B-=4A' =4.'" .K.4' ; C.4' =4.'
BC-= ; /' =EB' = ' BC.' H<B.A=-@' = ' <G<4./.' G HBE-./' < ' BC=/.'
5=0.-4' G-=0EHB =4/' ; C HC' <-.' 5<4 ./B @' 4 E.4H.0' >@'
E-=G.<4' B.<HC 4A' =-' .N<5G . ' B' /' 4.K.-BC. .//' G.- .HB @'
B-E.'" <B' .</B' B=' BC /' .NB.4B'" BC<B' BC.' -E ./' EG=4' ; C HC'
* ' /' G-=0EH.0' >@' E-=G.<4' <-B /B/' <-.' .4B -. @' E4I
L4= ; 4' B=' BC.' <-B /B/' = ' <G<4 ' C.@' C<K.' L4= ; 4' <>/= EB. @'
4=BC 4A' = ' /EHC' -E ./(; C .'" ' 4..0' C<-0 @' /<@'" /EHC'
0.K. =G5.4B/' = ' HC <-=/HE-=' </' .=4<-0=3/' G- 4H G .' = '
H.4B-<' -<0 <4H.' /' .K.4' <-BC.-' -=5' BC.' /H=G.' = ' <G<4./.'
H=4H.GB =4' B '" ' H<44=B' >EB' . ' BC<B' B' ; =E 0' >.' 4I
H=--.HB' B=' /<@' . BC.-' = ' <G<4./.' =-' = ' C 4./.' <-B' G-=G.-'
BC<B' ACB' <40' /C<0.' <-.' <>/= EB. @' E4L4= ; 4' B=' B ' C /'
C<' = B.4' >..4' -.. @' < .A.0'" <40' ; </' A.4.-< @' <HH.GB.0' </'
B-E.' E4B ' -.H.4B' B 5./(>EB' BC.' <B.' -' =-4E5'" ; C='
<GG.<-/' B=' C<K.' /..4' >EB' BB .' 5=-.' = ' C 4./.' <-B' BC<4' <4'
.NC > B =4' <B' @0.' $<-L' =-4.-'" 4.K.-BC. .//' H=4B-<0 HB.0'
/=5.' = ' BC.' <H<0.5@' G-= .//=-/' =4' BC.' G= 4B'" <40' /< 0' BC.'
C 4./.' C<0' 5<0.' Q H=4/ 0.-<> .' G-=A-.//' 4 ' ACB' <40'
/C<0.R' /' <' A.4.-<' -E .'" C= ; .K.-'" BC.' HC <-=/HE-=' = '
E-=G.' C</' 4=' G<-< . ' 4' BC.' <-B' = ' <G<4
/' -.A<-0/' * ' $-= .//=-' 40.-/=43/' /B<B.5.4B' = ' BC.'
H</.' /..5/' B=' 5.' B=' >.' G.- .HB @' H=--.HB ' ' BC=/.' H <4AH/'
= 'B 4B' <40' B=4.' ; C HC' -./E B' -=5' A-<0<B =4/' = ' ACB' <40'
/C<0.' <-.' ; <4B 4A(<40' </' <' H=4/.ME.4H.' B' /' HC . @' =-' B/

0.H=-<B K.' 5 .- B' BC<B' BC.' <G<4./.' .5G =@5.4B' = ' H= =E-' /' K< E<> .' <40' 4/B-EHB K.' EB' B' H<44=B' C.' 0.4 .0' BC<B'' /E>J.HB' B=' BC.' <>=K.' 5 B<B =4/'' <G<4./.' <-B /B/' <-.' A-.<B' 5</B.-/' = ' BC.' <-B' = ' H= =E- 4A'' <40' 5</B.-/' < B.-' <' </C =4' 5=/B @'' ' 4=B' ; C= @'' BC. -' = ; 4 ' -' ' . ACB=4' DME=B.0' >@' H=HLF' C</' >=-4.' <5G .' B- >EB.' B=' BC /' A-.<B' 5 .- B' = ' BC. -/'' H < 5 4A' =-' BC.' <G<4./.' <' /E>0E.0' <40' -. 4.0' /B@ .' /EG.- =-' B=' 3BC<B' = ' BC.' C 4./.' % ' 0=' 4=B' ; /C' @=E' B=' E40.-/B<40"R' C.' /<@/'' Q' BC<B' BC.' <G<4./.' <-B /B/' 0=' 4=B' E/.' >- ACB' H= =E-/'' =-' .;' 5.4' L4= ;' BC. -' K< E.' >.BB.-(CEB' ; C<B' ' 0./ -.' B=' H=4K.@' /' BC<B' BC.@' E/.' BC.5' JE0 H =E/ @'' <40' 4' H=5G<-<B K. @' /5< ' G-=G=-B =4/'' H .K.- @' /EGG=-B 4A' <40' H=4B-</B 4A' BC.5' ; BC' BC. -' /.H=40<- ./'' <40' =BC.-' H=5G=E40' H= =E-/'' ; C HC' BC.@' E/.' 4' A-=E40/' <40' <-A.' 5<//./' A.4.-< @ R' -' EBC.- =-0' H=HL'' ' <5' G .</.0' B=' /..'' 0=./' -.<0@' JE/B H.' B=' BC.' 4.' <G<4./.' /.4/.' = 'C<-5=4@' <40' B=4.' 4' H= =E-/'' C 5/. ' .K 0.4B @' .4J=@ 4A' .ME< @' 4' BC. -' ; <@' >=BC' BC.' /G .40=E-' <40' BC.' ME .B.-' >.<EB@' = ' BC. -' . .HB/' ' -' EBC.- =-0'' L.' 5@/. '' 0. ACB/' 4' >- ACB' H= =E-/'' <40' /' 4=B' </C<5.0' B=' = ; 4' B' Q ' -. <B K.' <-I -<4A.5.4B' = ' B 4B/' ; ' 0=' 5EHC' B=' G-=0EH.' C<-5=4@"R' C.' /<@/'' %>EB' ; ' /H<-H. @' /<B / @' <' H= =E- /B' ; C=' =K./' 5<//./' = ' BC.' >- ACB./B' CE./'' /EHC' </' 4' <' /E44@' H 5.' <-.' <' G.-I G.BE<' .</B' B=' BC.' .@.'' <40' <' 0. ACB' B=' BC.' /.4/.' ; C HC' -.K. /' 4' G-= E/ =4 ' C.' =5<4' /H<- '' =-' BC.' C<40L.-HC . ' = ' BC.') ' BC.' >- ACB' H= =E-.0' /</C' = ' BC.' 40< E/ <4'' <40' BC.' A = ; 4A' /H<- .B/' <40' A= 0' = ' BC.' 40 <4' ><?<<-/'' <-.' < ' K 4A'.K 0.4H./' = ' <4' 44<B.' /.4/.X9=' BC.' >.<EB@' = ' >- ACB' <40' GE-.' H= =E-/ ' .' C<K.' 4=B' 4' 4A <40' BC.' /E4' = ' BC./.' /=EBC.-4' <40' .</B.-4' H 5./'' ; C HC' A K./' B=' BC.' /L ./' <40' 5=E4B< 4/'' B=' B-../'' > -0/'' <40' = ; .-/'' <' A =-@' = ' /EHC' >- ACB4.//' BC<B' H= =E-' = ' BC.' 5=/B' K K 0' <40' >- <4B' CE./' =-5/'' >@' 0< @' <40' C=E- @' </=H <B =4'' <' 4..0 E' . .5.4B' 4' BC.' .' = ' BC.' G.=G . R

=5.' =>J.HB/' <-.' H=4B 4E< @' -.HE-- 4A' 4' BC.' G HB=- < ' </' 4' BC.' =BC.-' <-B/' = ' <G<4 ' 5=4A' 4<BE-< ' =>J.HB/' <-.' BC.' > =//=5/' = 'BC.' G E5'' BC.' HC.--@'' BC.' G.<HC'' <40' BC.' <G- H=B' BC.' G 4.&B-..(BC.' 5 * A ' $3 ' <' /B-< ACB&A-= ; 4A

4 ACB5<-. ' B' ;</' 0 /H=K.-.0' BC<B' <' 0<-L' H =E0' 5=K.0' -=5' =K.-' <' A-=K.' = ' B-. ./' <40' -./B.0' EG=4' BC.' 5G.- < ' -./ 0.4H.'' B ; =' .-@' =->/' /C 4 4A' =EB' -=5' B ' C.' G- ./B/' < 4A' >@' BC. -' G-<@.-/' B=' 0- K.' < ; <@' BC.' >-==0 4A' 0.5=4'' =4.' =- 5</<' E40.-B==L' B=' / <@' B'' <40' < B.-' /EHH.// K.' ; <BHC 4A' <B' .4ABC/' >-.<BC.0' <' G-<@.-' B=' BC.' A-.<B' A=0' <HC 5<4'' <40' <00.0' B=' C /' G-<@.-' D ; C<B' BC.' =-BC=0=N' G- ./B/' C<0' =5 BB.0F' <' C.<K@' <--= ;' -=5' C /' ; . &>.4B' >= ; ' C.' <--= ;'' =-' BC.' G-<@.-'' =-' >=BC'' >-=EACB' BC.' 5=4/B.-' 0= ; 4'' <40' =- 5</<' 5<0.' C /' ; =-L' H=5G .B.'>@' 4 4.' G E4A./' = ' C /' / ; =-0'' .<HC' B 5.' B=' BC.' C B ' C.' 0.5=4' BCE/' / < 4' ;</' =-5 0<> .' .4=EAC' B=' <HH=E4B' =-' B/' >-==0 4A' 0<4A.-=E/ @' .K.4' =K.-' BC.' >-.</B' = ' <4' .5G.-=-'' =-' B' C<0' <4' <G.& L.' C.<0'' BC.' >=0@' <40' H < ; /' = ' <' B A.-'' <40' <' B< ' BC<B' ;</' B/. ' <' CEA.' <40' K.4=5=E/' /.-G.4B' B' ;</' H< .0' *2 ' -=5' B/' H-@' -./.5> 4A' BC<B' = ' <' > -0' = ' BC /' 4<5. ' C.' .5G.-=-'' ; /C 4A' B=' -. ; <-0' =- 5</<'' A<K.' C 5' <' H. .>-<B.0' / ; =-0' H< .0' @ ' ' M' DBC.' L 4A' = ' ; 0' >=<-/F' ./ 0./'' L4= ; 4A' BC<B' C.' /.H-.B @' =K.0' @<5.'9 4=' <@.'' <40' BC<B' BC.' =K.' ; </' -.BE-4.0'' C.' >./B= ; .0' C.-' =4' =- 5</<' C.' 4=> .' ; C=' ; </' <GG= 4B.0' B=' G-./.4B' BC.' / ; =-0' B=' =- 5</<''&L4= ; 4A' C /' -.GEB<B =4' </' <' G=.B' </' ; . ' </' <' >-<K.' 5<4'' >.BC=EACB' C 5' = ' B-@ 4A' <' K.-/.' < B.-' BC.' F ' /B@ .'' <40' JE/B' <B' BC.' 5=5.4B' <' # A' DHEHL==F' ;</' C.<-0'' A K 4A' C 5' BC.' Q' L.@&4=B.' R' = ' C /' K.-/='' BC.' $' ' ' = ' BC-. .' 4./' = ' K.'' /.K.4'' <40' K.' /@ <> ./

' ' ' '

' ' b

<40' 55.0 <B. @' =- 5</<' <4/ ; .-.0' C 5' ; BC' BC.' = = ; 4A' A' ' = ' B ; =' 4./' = ' /.K.4' /@ <> ./' .<HC :

' ' ' '

' '

+' '@<5H'' BC.' > =//=5' = ' BC.' J ; </' =4 @' E/.0' =-' BC.' 0<EACB.-/' = ' # ' # ! '' =-' = ; .- 4A' / ; ..B' 5.4' = ' -<4L : ..' - =EE0./3/' W E' <A' .5< .' 4<5./' ; .-.' E/E< @' /=' 4' EL -="3 -=5' ; C HC'' </' ' 0.- K.0' -=5' = ; .-/' ' /' BC.' C<K.' 4=K =E/ @' /< 0'' BC./.' E/B-<&' <E. .EB' < N' B=' .5< .' 4<5./' . # B =E/' <-.' B<L.4 ' Z 9

3 : 5<L 4A'BC.'H=5G .B.' '='BC -B@&=4.' /@ <> ./' 40'C /' -.<0 4.//' <40' &; B 4H-.</.0'C /' -.GEB<B =4' </f' <' /HC= <-' <40' <' /= 0 .-' 4' BC /' ;<@'BC.' 5==4' * '>.H<5.'<//=H <B.0' =-' .K.-' ; BC'BC.' HEHL==' EB' 4' =-0.-' B=' E @'E40.-/B<40'BC.' H=44.HB =4"' BC.' ME< .0' -.<0.-' 5E/B' 4=B.' BC.' 0=E> .' 5 .<4I 4A' = 'BC.'K.-/."' ; C HC' B' /' 5G=// > .' B=' -.40.-' 4B=' 4A /C' B' -.<0/' =4.' ;<@ :

G' 0*' $! ! '
=)*' (0*' 1: %2'
+' 2 *'' (' 3 %/(S

0*' + - / /;' 3 /'
*('' / (' -(' + :: H

EB' </f' B' < E0./' B=' =- 5</<3f' . .K<B =4' B=' 5G.- <' <K=E-"' BC.-.' /' BC.' H=4H.< .0' 5 .<4 4A :

G 8*' (0*' 1%18 '
' 0 ;0' (' ' -
+' '' (' ' S
/:7' 37' = +' ' =*/(
0-(' /:7' '*/(' (0*' '0-&(HM

) ../.' <40' -E/C./' <-.' = B.4' H=EG .0' B=A.BC.-"' B' >. 4A' >. .K.0' BC<B' ; 0' A../."' =4' 5<L 4A' =4A' ACB/"' H<--@' 4' BC. -' >.<L/' -E/C./' ; C HC' BC.@' 0-=G' EG=4' ; <B.-"' <40' BC.4' < ACB' EG=4' BC. 5' B=' -./B' C.' HC-@/<4BC. 5E5' <40' BC.' =N' <-.' 0-< ; 4' B=A.BC.-' 4' -. .-.4H.' B=' =4.' = ' BC.' 5<4@' =N& 5@BC/' ; C HC' <>=E40' 4' < *<4' C.' /B=-@' A=./' BC<B' <' -=@<' G- 4H.' ; </f' >. ; BHC.0' >@' <' =N' 4' BC.' /C<G.' = ' <' 0<5/. "' ; C=' >.H<5.' C /' 5 /B-.//' 4.' 0<@' /C.' . ' </ ..G' 4' <' >.0' = ' HC-@/<4BC. 5E5/"' -./E5 4A' C.-' 4=-5<' /C<G."' <40' ; C . ' BCE/' @ 4A' ; </f' /C=B' <B' >@' C.-' =K.-"' ; C=/.' <--= ;' /5=B.' BC.' H-.<BE-.' 4' BC.' =-.C.<0' 4' < B.- ; <-0/' 40 4A' C /' / ; ..BI C.<-B' ; BC' <' ; =E40' 4' BC.' B. 5G ."' C.' 0 /H=K.-.0' C.-' B-E.

9' Q C.' G <@' =4' ; =-0/' 4' BC.' -/B' G=-B =4' /' =4 @' 0 EA' B=' BC=' /=<-I 4A' = 'BC=' > -0' <40' H=5G - 4A' B' B=' =- 4</<3f' . .K<B =4"' BC=' -.<' H=5I G<- /=4' <40' -.<0 @' 5G-=K /.0' K.-/.' EH 4A' B .' 4<B K.' <05 -<B =4' 4' BC=' /.H=40' G=-B =4"' BC=' < E/ =4' B= BC.' >=;& L.' /C<G.' = ' BC.' ; <4 4A' 5==4' <40' B/' /.BB 4A"' BC.' G <@' /' =4' BC.' ; =-0' , %' 5==4" =-' =4.3f' = ; 4' ; : =4' > #' $ "' B=' >=40' <' >=;' : BC.' /C<G.' = ' B .' ; <4 4A' 5==4 :' <40' "' D=' /=B' D4/' BC=' 5==4' /.B/F :' =-' D=' /.40' <' /C< B 3 : .4(5 #

HC<-<HB.-' C.' C<5C=='<40' BC.' B A.-'<-.' E4 B.0"'>.H<E/.' BC.' B A.-' .<-/' BC.' . .GC<4B"'<40' BC.-. =-.' C 0./' 4' BC.' ><5>==' JE4A .' $.<HC&B-../'<40' =N.4'<-.' = B.4' H=EG .0(BC.-.' /'<' C 4./.' /<@ 4A"'Q' E-4' BC.' C=-/.' ==/.' =4' BC.' = ; .-&H=K.-.0' 5=E4B< 4"'<40' BC.' =N' 4B='BC.' G.<HC'=-HC<-0 R' ' 0-<A=4' /'= B.4' /C= ; 4' H-=// 4A' BC.' /E5 5 B' = ' EJ &@<5<' =4' BC.' H =E0/"'<' /5< ' /4<L.' C<K 4A' >.H=5.'BC.' 0-<A=4!' ' <4' <>J.HB' G.-/=4' /=5 .B 5./'>.H=5./'<4' .N< B.0' =4."'- / 4A' B=' <' A-.<B' C. ACB"'<40'.</ @' /E-5=E4B 4A'BC.' A-.<B./B'=>/B<H ./1 BC.' 0./ A4' /'BC.-. =-.'<4' .5> .5' = ' /EHH.//' 4' .

' 5E/B' H=4H E0.' BC /' HC<GB.-'>@' .NG-.// 4A' 5@' H=4K HB =4' BC<B' E40.-'BC.' 4. ;' =-0.-' = 'BC 4A/' 4= ;' G-.K< 4A' 4' <G<4"'<40' 5=-.' ./G.H < @' =4' <HH=E4B' = ' BC.' A-.<B' 4B.-H=E-/.' >.B ; ..4' BC. -' H=E4B-@' <40' E-=G."' <G<4./.' <-B /B/' ; ' 5<L.' .NB-<=-0 4<-@' /B- 0./' 4' BC.' 5</B.-@' = ' E-=G.<4' <-B"'<40' ; 'H=5> 4.' ; BC' B' . .5 .4B/' = 'G= ; .-'<40'>.<EB@'G.HE <-' B=' BC. 5/. K./' -' <-K./'<40' -' EBC.- =-0' H=HL' H=4HE-"'<GG<-.4B @"' 4' BC 4L 4A' BC<B' <B' G-./.4B' <G<4./.' <-B /B/' Q' C<K.' <' B.HC4 H<' 5</B.-@' = ' =BC.-' 5.<4/"' 4=B' L4= ; 4' B=' A.4-.' <40' <40/H<G.' G< 4B.-/' 4' E-=G."' >@' ; C HC' BC.@' G-=0EH.' . .HB/'BC<B' G <H.' <' /H.4.'>. =-.' BC.' .@./' 4' <' ;<@'B=' ' BC.' 5<A 4<B =4' ; BC' <' K / =4' = 'BC 4A/' =4 @' /EAA./B.0' >@' BC.' G.4H R' ' <A-..' ; BC' BC.5"' =-' ' 40' 4=' =BC.-' .NJJ <4<B =4' = 'BC.' .NB-<=-0 4<-@' G .</E-.' ; C HC' =4.' .NG.- I .4H./' < L.' 4' /.. 4A' BC.' <G<4./.' <-B /B' 0</C 4A' C /' ; =4& 0-=E/ @' . .HB K.'/B-=L./' EG=4' C /' G<G.-'=-'/ L"'<40' 4' BE-4 4A' =K.-' BC.' G<A./' = ' <' >==L' .5>=0@ 4A' BC.' -./E B/' = ' C /' <>=E-' ' C<K.' /..4' BC.' -.4HC' //=B"'BC.' .<G= B< ' <-B 4="'BC.'#E// <4' K</=K/L@"'<40' /=5.' = '=E-' = ; 4' <-B /B/' ; . 0 4A' BC. -' HE44 4A' G.4H /' ; BC' / ; B' <40' /B<-B 4A' . .HB(>EB' 4=' E-=G.<4' BC<B' ' L4= ;' - K< /' BC.' 4<B K.' = ' <G<4' 4' <-B /B H' .A.-0.5< 4' -=5' BC.' > .40 4A' = ' C /' B-<0 B =4< ' <40' 5@/B H' /L ' ; BC' BC.' <-B' <5 <-'B=' =E-/. K./'" ; .' 5<@' JE/B @' .NG.HB' B=' A<BC.-' - HC' -./E B/' C.-.< B.-

THE ASCENDING DRAGON.

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-/7.)* =-/2.)* = -'-7 /;' >. *'' /'& +0-(' //>@'' =:*
/5%/1(/'& -) 2 /;' (=* -..*- -/1* &*) :

G-=K.->/ <40 GC-</./ HE--.4B <5=4A <G.=G .-. .HB BC. -HC<-<HB.-<40 5=0./ = BC=EACB <40 4 /=-. .HB 4A BC.5 B.40 B= 4H-./. BC. -G.-5<4.4H. -$ =E40./ 4 C / =B./"3 .--#4=C =HC 4 BC. -<4/<HB =4/ = BC.).-5<4 =H .B@ = <G<4"3<40 -)- /" C<K. < C. G.0 B= >- 4A <4E5>.- = <G<4./. G-=K.->/ <40 /<@ 4A/ 4B= <4 <HH.// > . =-5" <40 -=5 BC. -H= .HB =4/ /. .HB BC. = =; 4A" =>/.-K 4A BC<B 4 5<4@ = BC.5 BC.-. / 4 BC. =- A 4< < G <@ EG=4 ;=-0/ ; C HC H<44=B >. B-<4/ <B.0" >EB ; C HC /C<-G.4/ BC. G= 4B = BC. GC-</. B= BC. 4<B K.

5G=// > B@ / < A==0 -.</=4

G.4 G/ 5<L. H= 0 B..BC

C. 5=EBC / BC. 0==- = 5 /HC .

4 EA @ ;=5<4 <K= 0/ BC. ==L 4A&A </

C. =N ;C= >=--=;/ /B-.4ABC = BC. B A.-

= ;<B.- @=E- =;4 . 0

. / < ACB 4 BC. ;40

= 4E5>.- BC. @.<-/ = < 0.<0 HC 0(G-=><> @" B= 0= /=5.BC 4A BC<B / ME B. E/. .//

4.//./ H=5. BC-=EAC BC. 5=EBC

= A K. < /< B= <> B@(B= <// /B B< .4B

K.4 BC. 5=4L.@ < / -=5 BC. B-..

= HEB < /B HL < B.- BC. ACB

' ; C=5' ; .' /G.<L" C /' /' BC.' /C<0= ; (' C=' = ' ; C=5' ; .' /G.<L' BC-= ; /' C /' /C<0= ; ' EG=4' E/

= ; ' B ; A/' 0 A' 4=' /4= ;

! <EACB.-/& 4& < ; ' >.H=5.' 5=BC.-/& 4& < ; ! ' G-=><> @" BC.' @=E4A' <40' <A-..<> .' >.H=5.' = 0' <40' 0 /<A-..<> .

$-=GC.B/' L4= ; ' 4=BC 4A' <>=EB' BC.5/. K./

=K.B=E/" >=EB' =4.' $ ' D<' /5< ' H= 4F" <40' 4.A .HB E ' = ' <' CE40-.0

= ; .-/' =4' <' 0.<0' B-..

C.' 0.K 3/" Q' . G" ' C= @' E00C<~R' ' L.' BC.' 0.K ' H-@ 4A' B=' E00C<' =-' C. G

=' > = ; ' < ; <@' BC.' C< -' <40' 40' <' ; =E40

L.' B-@ 4A' B=' /. ?.' <' ' D<' /=-B' = ' G.-HCF' (' B-@ 4A' B=' /. ?.' <4' ..

40= .4H.' /' <' G= ; .- E ' .4.5@

=' A K.' /=5.BC 4A' 5=-.' B=' <' BC . (' ' B=' A K.' @=E-' H =<L' B=' BC.' /B.< .-' = ' @=E-' H=<B

=' <0<GB' BC.' /.-5=4' B=' BC.' C.<-.-/

L.' A= 4A' 4B=' BC.' -.' ; BC' <4' <-5 E ' = ' ><5>==/

=' /E>5 B' /' K HB=-@

' < .4' > =//=5' 0=./' 4=B' -.BE-4' B=' BC.' B ; A

E H .4B' 0E/B' ; ' 5<L.' <' 5=E4B< 4

K.4' BC.' == ' C</' C /' <-B

C.' 5<A4.B' H<4' <BB-<HB' -=4' >EB' 4= ' /B=4.

0<GB' @=E-/. ' B=' BC.' G <H.' @=E' <-.' 4

=' 5EHC' H=E-B./@' /' 0 /H=E-B./@

.' ; C=' C= 0/' <' B A.-' >- 4A/' B-=E> .' =4' C 5/.

C.' ><B' = ' <' K <A.' ; BC=EB' > -0/(</' ; .' /<@" 4' BC.' H=5G<4@' = ' BC.' > 40' BC.' =4.&.@.0' <-.' L 4A/

C.' /.<&.<A .' C</' C<BHC.0' <' < H=4

<4@' H<GB< 4/" <40' BC.' /C G' A=./' =4' B=' BC.' -=HL/

K.4' B ; =' .<K./' = ' BC.' /G.40<4' A K.' =-BC' G.-E5.

L.' / BB 4A' <' HC 0' < =4.' =4' <' ; .

=' ==L' <B' BC.' C.<K.4/' BC-=EAC' <' H<4.' BE>.(' B=' B<L.' <' 5 B.0' K . ;' = 'A-.<B' BC 4A/

L.' <' =N' =4' C=-/.><HL

=' /B<40 4A' 4' BC.' ; =- 0' ; BC=EB' /B==G 4A

=' <-B' <A< 4/B' 0.H. B

.' ; C='B=EHC./' K.-5 =4' >.H=5./' -.0

.' ; C=' >-.<L/' BC-=EAC' <' BC HL.B' 0 /BE->/' BC.' /4<L./'

$=L.' <' H<4.&>-<L.'' <40' <' /4<L.' ; ' / G' =EB

C.' <>/.4B' A.B' <-BC.-' = '.K.-@' 0<@

' 4G= /C.0'J. ; . /' 0=' 4=B' /C 4.

=' >.' BC -/B@' <40' 0 A' <' ; . (' CEA.' .N.-B =4/' B=' /<B / @' <' B- 4A' ; <4B

.<- 4A' ; ==0' B=' BC.' <5./

C.' > 40' 5<4' 0=./' 4=B' .<-' <' /4<L.

L.' <' ; = ' 4' G- ./B3/' H =BC 4A

=' /B.<' <' >. ' ; BC' @=E-' .<-/' H=K.-.0(' B=' < .HB' B=' 0 / L.' /=5.BC 4A' ; C /B' B<L 4A' B

=' A K.' ; 4A/' B=' <' B A.-

4' BC.' -=<0' <' C=-/.' ; =E 0' .<B' <' 5<-/C&5< = ; (' B==' CE4A-@' B=' >.' 0< 4B@

H.' H=5./' -=5' ; <B.-'' >EB' /' H= 0.-' BC<4' ; <B.-'

AA&G <4B/' 0=' 4=B' A-= ;' -=5' 5. =JJ&/..0/

' 0./.-B.-' /' B.-- .0' .K.4' >@' BC.' :* :* ' .<-/' D<' L 40' = ' =4A' A-<//F

=' B< L' B=' BC.' H-= ;/' = 'BC.' ; C B.' C.-=4' D ; C B.' <4 5</' <-.' = B.4' C. 0' /<H-.0' 4' <G<4F

=-' B-<K. 4A'' <' H=5G<4 =4(=-' BC.' ; =- 0'' L 404.//'

< -/' .K.4' =4' <' >< 0' C.<0

$=K.-B@' H<44=B' =EB-E4' 40E/B-@

<4B.-4/' <40' >. /' J 5<@' G.-C<G/' >.' -.<0' </' 5.<4 4A' B ; =' 0 .-.4B' 5.<4/' B=' BC.' /<5.' .40'' 4<5. @'' BC.' ; <-4 4A

$' % 0' , 0 -' - / - 1 ' B' -

B-<K. .-/' BC<B' <' K.C H .' /' <GG-=B HC 4A' P=BC' <-B H ./'
<-.' .5G =@.0' BCE/' 4' <G<4

=' ./H<G.' -=5' BC.' 4.B/' = 'C.<K.4

=' A K.' C=4.@' B=' .<B(B=' <BB.-(=-' G=// > @' .ME K< .4B' B='
Q' /.40 4A' @=E' -E ./' ; C.4' ; <4B 4A' <' /C -B R

C.' > -0' BC<B' ./' EG ; <-0/' 0=./' 4=B' -E .' BC.' ; <B.-

$.=G .' BC<B' <-.' C<B.0' /B-EB' <>=EB' BC.' ; =- 0

' /.' BC.' /B HL' /==4' <40' /<K.' <' <

> 09' :990 3' &+' :8' & ' ')+99

B.-' BC-..' @.<-/' .K.4' <4' .K ' >.H=5./' <' 4.H.// B@('
C<> B' /' .K.-@BC 4A

<> B' C</' > N ' ; . ACB' BC<4' 4/B-EHB =4

<A.-4.//' /' =//(' 5=/B' C</B.' ; =-/B' /G..0

' 4=K H.' 0=./' 4=B' <B' =4H.' >.H=5.' <' /EG.- =-

&%9+)1' 9 A:')&)89)

)==0' 5.0 H 4.' B</B./' > BB.-

!E5G 4A/' <-.' >.BB.-' BC<4' =; .-/

K.4' <' 4.;' /C=.' ; ' 4=B' 5<L.' <' C<B(' 4=' E/.' B='
B-@' 5G-=G.-' 5.<4/

) -.<B' ; =-0/' BB .' 0..0/

' - .40' <B' C<40' /' >.BB.-' BC<4' -. <B K./' <B' <' 0 /B<4H.

' 0.K ' 4' BC.' C.<-B' D<4' .K ' H=4/H .4H.F' B=-5.4B/' BC.'
>=0@

C.' C<40' A=./' B=' BC.' BHC 4A' /G=B

' H .K.-' < H=4' C 0./' C /' B< =4/

C.4' BC.' B A.-' /' 0.<0'' /G<-.' C /' /L 4

$.</E-.' /' BC.' A.-5' = ' /=--= ;

=' C 0.' BC.' / ; =-0' ; BC' <' /5 .

' 0=A/' A=' <>=EB' BC.@' 5E/B' .NJJ.HB' BC.' /B HL

. =-.' <-AE5.4B'' G-==

<B.0' HC 0&.4' .<-' 4=B' BC.' ; =- 0

C<4L .//' <>=E-' >- 4A/' <B AE.

=' /G.<L' =E0'' <40' BL.4' GE-/.' BC.' G/' D B' /' E/. .//' B=' /CEB' BC.' 5=EBC' < B.-' /C=EB 4A' =EB F

=-<' G.=G .' >.A.B' 5<4@' HC 0-.4(G-=><> @' >=4./B' >=0 ./' A.B' BC.' C.<K ./B' =<0/' BC-= ; 4' EG=4' BC.5'>@' BC.' HE44 4A

=4.@' BC-= ; 4' < B.-' BC .K./' (.ME K< .4B' B=' BC-= ; 4A' A==0' 5=4.@' < B.-'><0

5.-< 0' <40' H-@/B<' <-.' L4= ; 4' >@' BC. -' /C..4

0' G.=G .' .0' >@' BC. -' HC 0-.4

=-' <' >-=L.4' G=B' < 5.40.0' 0(=-' 4=BC 4A' /' /=' ><0' BC<B' BC.-.' /' 4=B' /=5.' E/.' =V B' K.4' <4' E4G-.G=//.// 4A' ;=5<4' 40/' C.-' 5<B.

.G.-/' .4K =E/' = 'BC=/.' ; BC' /=-./

C.' -/B&>=-4' H=5./' ; BC' 5=/B' 0 HE B@

.' H<-. E' B=' >.' H<-. E

-@ 4A' <H./' ;</G/' /B 4A(' =-'' 5 / =-BE4.' /. 0=5' H=5./' / 4A @

B.-' G .</E-.' BC.-.' /' A- .

' < /.C==0' B<L./' BC.' -=<0'' B-EBC' C 0./

-EBC' H=5.BC' =EB' =' < /.C==0(=-'' B-EBC' H=5./' B=' BC.' /E- <H.

!=' @=E' L4= ;' C= ;' B=' >= ' G=B<B=./' V ' /.0' 4' <00-.// 4A' /BEG 0' =-' H E5/@' G.=G .' ; C.4' BC.@' H=5 5 B' /=5.' == /C' 5 /B<L.

B.-' BC.' / ; < = ; 4A' BC.' /H< 0 4A' /' =-A=BB.4(B' 5 ACB' >.' G<-<GC-</.0'' 0<4A.-' G</B' /' <EAC.0' <B

' 0.5=4' ; BC' <' H E>' ! =E> @' - ACB E

C.<G @' >=EACB'' 5=4.@' =/B

=' ; /C' B=' /.40' <' .BB.-'' >EB' 4=B' >. 4A' <' ; - B.-' C.4' ' =4.' ; /C./' B=' .NHE/.' =4./. ' =4' BC.' A-=E40' = ' 4<> B@' =-' ; <4B' = '=GG=-BE4 B@

C 0-.4'<-.'<'>E-0.4' =4' =4.3' /C=E 0.-/'' G</B'' G-./.4B'' <40' EBE-.

' 7 8 , 0 -' - / - 1 ' B' -

=' 5 @' = ; 4' .NG.- .4H.' C= /B' BC.' /< "' 5 .<4 4A' Q' B=' - 0.' =4.3/' = ; 4' C=>>@ R

C.' 5</B.-3/' <K=E- B.' -.O' H<G' D C.' A-.<B' 5<43/' ; ' 5E/B' >.' CE5=E-.0 F

=' C 0.' BC.' C.<O' >EB' 4=B' C 0.' BC.' B<

.<- 4A' = ' $<-<0 /.' <40' /.. 4A' <0./

<-. .//4.//' /' A-.<B' 0<4A.-(' B.-< @"' = ' .NC<E/B.0"' <' A-.<B' 0<4A.-

A4=-<4H.' > //

$-=K 0.4H.' /' <' /B-<4A.' BC 4A(<GG<-.4B @' 4' BC.' /.4/.' = ' Q' C<4H.' >- 4A/' B=A.BC.-' ME..-' H=EG ./ R

C.' G==-' C<K.' 4=' . /E-.

C=/.' ; C=' L4= ; 'BC.' -=G./' 0=' 5=/B' C<E 4A

9 ' O'2* ' ' '2*$: Q' '0-.<5' = '# =B=' <' 0-.<5' = ' /<L< 9' E 0 4A' H</B ./' 4' BC.' < -

C 0&>.<- 4A' /' .</ .-' BC<4' HC 0&B.40 4A

' 4' C</B.' A=' -=E40

C.' /G< ; 4' = ' -=A/' ; '>.H=5.' >EB' -=A/

@' /.<-HC 4A' BC.' = 0"' .<-4' BC.' 4. ;

=-.' ; =-0/"' .//' /.4/.

.K.-' G-.<HC.-"' /C=-B' /.-5=4

C=' /B.< /' 5=4.@' /' L .0"' ; C=' /B.< /' <' H=E4B-@' /' <' L 4A

L.' .<-4 4A' B=' / ; 5' 4' <' . 0

C.' A=0/' / B' =4' BC.' >-= ; ' = 'BC.' JE/B

.40' <>-=<0' D=-' -=5' @=EF' BC.' HC 0' @=E' =K.' 5=/B

<L 4A' <4' 0= ' 0=./' 4=B' A K.' B' <' /=E

K.' E40.-' @=E-' = ; 4' C<B

'D ; .3/F' B=4AE."' BC-..' 4HC./' =4A"' H<4' L ' <' 5<4' / N' ..B' C AC

C.' C.-=4' - /./' -=5' BC.' /B-.<5' ; BC=EB' /B -- 4A' EG' BC.' 5E0

' @=E' HE-/.' <4@' =4."' ==L' =EB' =-' B ; =' A-<K./ ' Q' E-/./"' L.' HC HL.4/"' H=5.' C=5.' B=' -==/B R

There is no teacher of Japanese poetry. (*Poeta nascitur, non fit.*)

Good doctrine needs no miracle.

Regard an old man as thy father.

Expressions for what is impossible:—

To build a bridge to the clouds.

To throw a stone at the sun.

To disperse a fog with a fan.

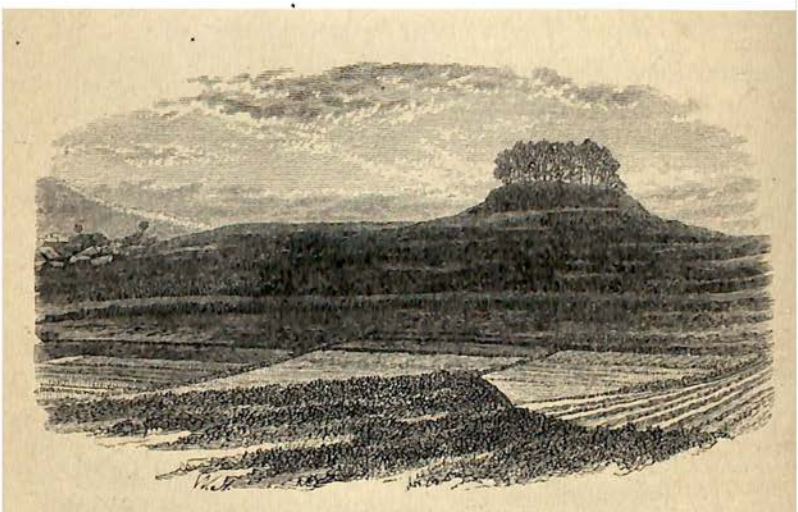
To bale the ocean with the hand.

Injunctions for avoiding the appearance of evil:—

Don't wipe your shoes in a melon patch.

Don't handle your cap when passing under a pear-tree.

Don't stay long when the husband is not at home.



ANCIENT BURIAL-PLACE OF AN EMPEROR.

$ %

! !)

:Q1.- ? % *& 3 8 0-3 -/'(0 (0*:;0(0 %'*& ' 3 -
$ *1-%(/''-;- /'('*- (0B%-8*' /-(% -:= *-8+-(* < =2'-/2'
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) *' /G.4B'6 <40' ; ' <40' >E/ @' /G.4B'6 4.<- @' <' 5=4BC' 4'
BC.' H<G B<' =' <G<4'6 B' ;</' 4.NB' <--<4A.0' =-' E/' B=' 5<L.' <'
B- G' BC-=EAC' BC.' 5=/B' 5G=-B<4B' G<-B/' =' BC.' H=E4B-@'6 <40' =4'
.04./0<@'6 .>-E<-@' '6 /==4' < B.-' 5 00<@'6 ;.' . B' =L ='
=-' =L=C<5<'6 <40' >. =-.' BC-..' C<0' .5><-L.0' =4' >=<-0' BC.'
B; 4&/H-.;' /B.<5/C G' 6 ' 6 *' >. =4A 4A' B=' BC.' ACBI
C=E/.' 0.G<-B5.4B' =' BC.' <G<4./.' A=K.-45.4B' C.' 0.I
G<-BE-.' =' BC /' H=55=0=E/' <40' </B' A=K.-45.4B' /B.<5.-'
EG=4' ACBC=E/.' 0EB@' 4' BC.' 4 <40' .<' <40' =4' BC.' ; ./B' <40'
/=EBC' H=</B/'6 ; BC' -' H BHC .'6 BC.' A=K.-45.4B' .4A 4..-&
4&HC .' =' BC.' 0.G<-B5.4B'6 =4' >=<-0'6 ;</' <' H=4K.4 .4B'
=GG=-BE4 B@' =-' <H B<B 4A' =E-' K / B' B=' BC.' 4B.- =-'6 <40'
<' 5=-.' /<B / <HB=-@' =4.' B=' 5.' BC<4' BC.' <GG-=G- <B =4' =' <'
/G.H <' /B.<5.-' =-' BC.' GE-G=/.'6 ; C HC' C<0' >..4' H=4B.5I
G <B.0' @' B<L 4A' G<//<A.' 4' BC /' K.//.'6 ; C.4' .4A<A.0'
EG=4' C.-' G.- =0 H<' K / B' B=' BC.' ACBC=E/./'6 ' ;</' .4<> .0' B='

K . ; ' B =' H=</B' 5=-.' 5 4EB. @'" >=BC' =EB/ 0.' 4' BC.' $<H H'" <40' 4' B>.' 4 <40'<40' <G<4' .</(B=' K / B' /=5 .' = ' B>.' A B&' >=E/ ./' <40' <HME< 4B' 5@/. ' ; B>' BC. -' H=4/B-EHB =4' <40' ; =-L 4A' <--<4A. 5 .4B/'" 4' H=5G<4@' ; BC' BC.' /EG.- 4B.40 4A' .4A 4. .-(' <40' <B' BC.' /<5.' B 5.' B=' K / B' ' #=>." =A='" -<5<-'" @<J 5<'" C 5=4=<.L '" <40' <A</<L ' KBC=EB' 5EHC' .NG.40 BE-.' = ' B 5 .'" = ; 4A' B=' BC.' C AC' /G..0' = ' BC.' 6 ' 6 *' B' ;</' <--<4A.0' =-' C /' .NH. .4H@' 05 -< ' #< ; <5E-<' < /=' B=' 5<L.' BC /' 4 <40'J=E-4.@'" </' C.' C<0' GE> H' >E/ 4.// B=' B-<4/<HB' <B' /.K.-< ' = ' BC.' G=-B/' <40' =BC.-' G <H./' ; C HC' <@' =4' =E-' -=EB.' /' .NH. .4H@' 4=E@H' DBC.4' 5 4 /B.-' = ' GE> H' ; =-L/F'" ; C=5' BC.' ACBC=E/.' 0.G<-B5 .4B' ; </' E40.-'" ; </' A==0' .4=EAC' B=' /. .' E/' H=5 =-B<> @' >.-BC.0' =4' >=<-0' BC.' 6 ' <40' < B.-' C.' C<0' B<L.4' .<K.' = ' E/'" <B' BC-. .' =3H =HL'" ; .' /B.<5 .0' 0=; 4' BC.' <@' = ' .0='" G<// 4A' =4' =E-' ; <@' BC=' $ ' <40' ' /B.<5 .-' = ' JE/B' <-- K 4A' -=5' =4A' #=4A'" H<--@ 4A' BC.' 4A /C' <40' =4B 4.4B< ' 5< ' 4B=' <G<4 ' C.' 6 ' /' H=5 5<40.0' >@' <4' <HH=5G /C.0' 4A /C' = H.-' <GB< 4' $.B.-/'" ; C=5' ' C<0' C<0' BC.' G .</E-.' = ' L4= ; 4A' ' BB .' 4' 4A <40'"<40' ; C=' >@' C /' 4B 5<B.' <HME< 4B<4H.' ; BC' BC.' H=</B'" BC.' B 0./'" /.B' = ' /.<'" .BH '" ; </' <> .' B=' /G<-.' E/' 4' BC.' -/B' 4 ACB' <40' BC-=EAC=EB' =E-' B- G' ; BC' C 5' 5EHC' = ' BC<B' 4H=4K.4 .4H.' ; C HC' >.BB.-' /< =-/' BC<4' ' H<4' G-.I B.40' B=' >.' H=4 .//' B=' .NG.- .4H 4A' ; C.4' BC. -' /C G' /' K.-@' E4H.-B< 4' C= ;' B=' L..G' EG- ACB'" <40' K.-@' K = .4B' 4' B/' .40.<K=E-/' B=' 0=' /= 9' C.' -/B' ACBC=E/.' B=' >.' K / B.0' ;</

9' ; 4A' G.-C<G/' B=' <' BB .' G.-I K.-/ B@' = ' 5@' = ; 4'" <40' < /=' B=' <' B-<G' >. 4A' < 0' =-' 5=' >@' BC.' E4 ; /0=5' = ' <' /.-K<4B' D<40' C= ;' 5EHC' 5=-.' ; .' < ' /E .-' -=5' ; <4B' = ' /.4/.' 4' =BC.-/' BC<4' -=5' <4@' 4B.40.0' ; -=4A/`F'" ' 4.K.-BC. .//' H=4B- K.0' B=' A &B' <4' EA @' < ' 0E- 4A' BC=' -/B' 4 ACB' <K 4A' G.-/ /B.0' 4' /. .HB 4A' <4' EGG.-' >E4L' B=' / ==G' 4'" <40' K<E B.0' 4B=' B' ; BC' </' 5EHC' <A B@' ' ;=/' <K< < ' ."' <' /.-K<4B' C..0 .// @' BC-. ;' <' E-& 4.0' H=<B' =K.-' BC.' -< ' = ' BC.' >E4L' >. = ; (H=4/.ME.4B @'" 4 < ACB 4A' < B.- ; <-0/' -=5' 5@' . .K<I B =4'" 5@' ==B' / GG.0' =K.-' BC=' E-' </' /==4' </' 5@' ; . ACB' .<5=' EG=4' B'" <40' ' . ' EG=4' BC.' .0A.' = ' BC.' EGG.-' >E4L'" <40' BC.4H.' B=' BC.' 0.HL' C=' < ' ; </' <GG<-.4B @' <' B- 4A' =4.'" <E0' 5<0.' 4=' 5<-L'" >EB' ' >=H<5=' K.-@' / HL' <40' ' =-' <' B 5."<E0' <' >' 5E/B' C<K.' >..4' ><0 @' -E /.0'" 4 ' . B' /=' 5EHC' G< 4' < B.- ; <-0/' BC<B' ' C<0' B=' B<L.' 5.0 H<' <0K H.' <B' <A<I /<L '" <40' </' ' ; - B.' B =/.' 4=/'/.K.4' ; ..L/' < B.-' BC=' < '" ' /B ' ..' BC.' . .HB/

%' % 0 ' . 0 B' ' B' A F &.

BC<B' / BE<B.0' =4' BC.' .</B.-4' G= 4B' = ' BC.' / <40' = ' =/ 5<"' = ' BC.' G.4 4/E <' = ' # ' C.' / <40' /' /G. B' /C 5<' =4' BC.' 5<G' = ' -' -E4B=4' D ; C=' G-.H.0.0' -' H BHC .' 4' C /' = H.F"' <40' =/ 5<' 4' BC.' <EB H<' $=HL.B' <4E<' GE> /C.0' 4' C<4AC<"' BC.' 4<5 .' = ' BC.' ACB' >. 4A' A K.4' 4 'BC.' <BB.-' </' #</C 4=/<L ' B' /' <' ; C B.' H<B=GB- H' ACB"' = ' BC.' /.H=40' =-0.-3' -.K= K 4A' .K.-@' C< &-4 4EB."' <40' /' K / > .' =-' . ACB..4' 5 ./' C.-.' / 4=BC 4A' B=' >.' /< 0' = ' =E-' G<//<A.' B=' =/ 5<"' .NH.GB' BC<B"' BC.' .K.4 4A' < B.-' =E-' 0.G<-BE-.' ; </' < -(BC<B' BC.' /<H-.0' =EGB' EJ ' ; </' <' /G .40 0' <40' 5G-.// K.' .<BE-.' 4' BC.' /C B 4A' G HBE-.(BC<B' < B.-' ; .' C<0' H .<-.0' BC.' <@' = ' =L =' <40' BC.' <A<5 ' .<' ; .' C<0' 4=BC 4A' >EB' BC.' /.< >.B ; ..4' E/' <40' E/B-< <! <40' BC<B' 3.' -.<HC.0' =E-' <4HC=-I <A.' 4/ 0.' BC.' / <40' ; .' ; .-.' >=E40' =-' /==4' < B.-' > 00<@' = ' BC.')B /' C.' 0<@' ; </' / 4AE <- @' 4.' <40' ; <-5"' <40' ; .' <40.0"' g<B' <' K.-@' 0 HE B' <40 4A&G <H."' EG=4' <4' / .' /=' G .</<4B' BC<B' =4.' >.A<4' B=' BC 4L' = ' BC.' Z9 =BE/&.<B.-/' R :

Q ' B .' < B.-4==4"&BC.@' H<5.' E4B=' <' <40"
4' ;C HC' B' /..5.0' < ; <@/' < B.-4==4 R

B' ; </' HE- =E/' B=' =>/.-K.' BC<B' 4' <4B H G<B =4' = ' .<-BCI ME<L./' BC.' ACB 4A' 5<HC 4.-@' = ' BC.' ACBC=E/.' ; </' < ' /EGG=-B.0' EG=4' <' >.0&G <B.' -./B 4A' =4' BC-..' /GC.-./"' G<-B @' B=' < = ;' BC.' EGG.-' G=-B =4' B=' / 0.' =-' -= ' EG=4' BC.' = ; .-"' <40' G<-B @' =4' BC.' /<5.' G- 4H G .' </' BC<B' ; C HC' 40EH.0' -' =/.GC' C B ; =-BC' B=' /EGG=-B' EG=4' BC-..' G= 4B/' C /' Q'B-E.' G <4./"R' <40' C /' = ; 4' > <-0' B<> .' ; C HC' C.' C</' 4' C /' * <4HC./B.-' -./ 0.4H."' K ?' BC.' 5<BC.5<B H<' G- 4H G .' BC<B' < G <4.' /E- <H.' H<4' >.' G</1.0' BC-=EAC' 2' BC-..' G= 4B/' 4' /G<H."' <40' BC.-. =-.' ; C.4' < G <4.' /E- <H.' -./B/' EG=4' BC-..' G= 4B/' =4 @' . BC.-' =-' < ' = 'BC=/.' G= 4B/' H<4' HC<4A.' B/' G=/ B =4' ; BC=EB' 0 /B=-B 4A' BC.' /E- <H.' C.' <--<4A.5 .4B' </' <0<GB.0' B=' BC.' 4A /C&>E B' ACBC=E/.' <B' =/ 5<' /' G.- .HB @' /=E40' 4' G- 4H G ."' >EB' .K.4' 4' <G<4' .<-BCME<L./' = ' /E H .4B' K = .4H.' B=' EG/.B' ACBC=E/.' <GG<-<BE/' <-.' /=' 44 -.ME.4B' BC<B' ' /B-=4A @' /E/G.HB' BC.' >.0' ; =E 0' E/E< @' >.' =E40' -./B 4A' EG=4' BC.' <00 B =4< ' /EGG=-B/' ; C HC' <-.' 4B.40.0' =-' E/.' ; C.4' 5.4' <-.' 5=K 4A' <>=EB' BC.' ACB&5<HC 4.-@' =-

' I

H .<4 4A <40 =BC.- GE-G=/./ B K .4 < K = .4B .<-BCI ME<L./ 0=./ H=5.'' <40 BC.@) H=5.' <B BC./.' G<-B/ = ' BC.' H=E4B-@ </ ; .' C<K.' /..4'' B ; 'C.' ; . ' 'BC.' ACB /' =E40 G= /.0 =4 B/' /GC.-./ 9

' C<K.' . /. ; C.-.' /G=L.4 = ' .<-BCME<L./ <B /=5.' .4ABC'' >EB BC /' /' < /E B<> .' G <H.' =- 5 .4B =4 4A ; C<B C<GG.4.0 B ; .4B@& K.' @.<-/ <A= 4.<- BC /' /G=B : = ' BC.' G.4 4/E < = ' 0?E'' ; C HC ; </ G<//.0 =4 BC.' G-.K =E/' .K.4 4A ' 4 < ><@ <B BC.' .40 = ' BC<B G.4 4/E <'' <40 4/ 0.' =HL' / <40'' /' BC.' B= ; 4 = ' C 5=0<'' ; C HC C<0 >..4 =G.4.0 </ < =-. A4 G=-B ' A-.<B .<-BCME<L.' H<5.'' <40 ; BC B 0< ' ;<K./ <40 /E>I / 0 <-@ ;<K./ = ' /EHC < 4<BE-.' BC<B BC.' E// <4 - A<B.' J ' ; C HC ; </ @ 4A BC.-.'' ;</ /GE4 -=E40 =-B@&BC-..' B 5./ 4 BC -B@ 5 4EB./'' </ G-.K =E/ @ /B<B.0'' <40 ; </ BC-= ; 4 C AC <40 0-@'' < E/. .// ; -.HL'' <B BC.' .40 = ' BC.' -.K= EB =E< @ G.- =0 ' C / ; </ 4 S'' <40 ; .' <-.' 4 =-5.0 BC<B BC /' /<5.' .<-BCME<L.' /C==L' <40 4JE-.0 BC.' H=E4B-@ =- /=5.' CE40-.0/ = ' 5 ./ < =4A BC /' /=EBC&.</B.-4 G<-B = ' <G<4 ' B ; </ 4 BC.' 4.NB @.<- BC<B BC.' A-.<B .<-BCME<L.' <B .0=

_ 4H.' ; - B 4A BC.' <>=K.' ' C<K.' H=4/ E B.0 < G<G.- =4 Q BC.' <G<4 ACB/ 33 -.<0 <B BC.' 4/B BEB =4 = ' K ' 4A 4..-/ >@ - -E4B=4'' '' >@ ; C=5 5<4@ = ' BC.5 ; .-./ /B<>I /C.0'' <40 40 BC<B C.' 0=H/ 4=B B 4L' < B=A.BC.- <K=E-<> @ = ' B .' G <4 <0=GB.0 . 40/ BC<B ; C .' BC.' -..' 5=B =4 = 'BC.' EGG.-' =K.-' BC.' = ; .- G<-B = ' <' /B-EHBE-.' 5<@ 4.EB-< I /.' BC.' . .HB/ = ' <4 .<-BCME<L.' /C=HL'' B <B =BC.- B 5./ C</ 4H=4I K.4 .4B -./E B/ ' ' G.-/=4 /B.GG 4A =4 =4.= 'B .' W <. /5<B H R B<> ./'' =- BC.' GE-G=/.' = ' B- 5 5 4A =-' H .<4 4A BC.' <5 FP'' H<E/./ BC.' EGG.- G<-B B= -= ' B=' /EHC <4 .NB.4B BC<B BC.' <5G/ >.H=5.' 0.-<4A.0'' <40 4 BC.' H</.' = ' -.K= K 4A ACB/ BC.' -.AE <- 4=B =4 = ' BC=' H =HL& ; =-L' / 4B.- .-.0 ; BC ' =' # %7 BC./.' 0. .HB/ .//-/ ' B.K.4/=4 4B-=0EH.0 <4 <--<4A.5 .4B = 'K=-B H ' /G- 4A/'' >EB B ; </ =4 @ G<-B < @ /EHH.// E ' 4 BC=' G<G.- -. .--.0 B=' -' -E4B=4 0 /HE//./ :' </ C.' <40 =BC.-/ C<0 G-.K =E/ @ 0=4.' <B BC.' / <B H =H .B@ 4 <G<4 : BC=' >./B 5=0.' = ' H=4/B-EHB 4A >E 0 4A/ B=' -./ /B .<-BCME<L./ (<40 A K./ < E ' <40 5=/B 4B.-./B 4A <HH=E4B = ' BC.' ACBC=E/.' /@/B.5 = ' <G<4 : =4.' = 'BC.' >./B 4 BC.' ;=- 0'' <40 H=4B 4EI < @ E40.-A= 4A .NB.4/ =4 4 5& G= 'B<EB 0 /HE// =4 = = ; .0'' 4 ; C HC .//-/ ' B.K.4/=4 A<K.' <4 4/B<4H.' = ' H=4/ 0.-<> .' 0<5<A.' >. 4A 0=4.' >@ <4 .<-BCME<L.' B=' BC.' <A<5 'D <G<4F ACB/ 4 H=4/.ME.4H.' = ' BC. -' </. /& 5<B H <--<4A.5 .4B >. 4A GEB =EB ' ; =-L 4A =-0.- C.' <GG<-<BE/ <GI G.<-/ B=' C<K.' >..4 H<EACB @ BCG .<-BCME<L.' 4 .N<HB @' BC.' /B<B.' 4 ; C HC'' </ /B<B.0 4 BC.' B.NB'' ' <4B H G<B.0 =4 BC.' /G=B D<B /C -=<F B ; =E 0 >.' =E40 : .' $-=H..0 4A/ = ' BC.' 4/B BEB =4 = ' K ' 4A 4..-/'' K= ' N K ' .// =4 , &, ,'' GB '

$ %B 0 , . 0 B A &. ,

D4= ; =L =F B==L G <H.(<40 4 =E-B..4 5=4BC / = S& 4= .// BC<4 . ACB CE40-.0 <40 /.K.4B..4 /C=HL/ ; .-. .NG.- .4H.0

. . B =/ 5< >. =-. BC-. . /B.<5 4A =EB <B BC. ; ./B.-4 .40 = BC. / <40 <40 G<// 4A < -.5<-L<> . /.- ./ = -=HL/ -E44 4A < 5 . =EB -=5 BC. /C=-. <40 =-5 4A <4 < 5=/B H=4B 4E=E/ 4<BE-< >-.<L ; <B.- . 4=; -=E40.0 BC. /=EBC.-45=/B G= 4B = BC. G-=K 4H. = # G<// 4A BC. C AC ACB = ; =5 &/<L ; C HC / < 4. N.0 ACB Z= BC. -/B =-0.- <40 /B.<5.0 EG >.B ; . .4 # <40 ; < BC-=EAC BC. /E5 B-< B G</B BC. / <40 = =5<A</C 5< =4 BC. ; ./B.-4 .NB-.5 B@ = ; C HC / <4=BC.- N.0 ; C B. ACB DBC -0 =-0.-F .NB-.5. @ ; . G <H.0 . <4HC=-.0 >. =-. 5 04 ACB 4 BC. C<->=E- = #=>. < 4 C<0 H=5. =4 <B /E4/.B <40 BC. 4 ACB C<0 H=4B 4E.0 ; .B >EB 4.NB 5=-4 4A H .<- ; <-5 /E4I /C 4. /B-.<5.0 =K.- BC. G-.BB@ E-=G.<4& ==L 4A B= ; 4 = #=>. D=4. = BC. G <H./ =G.4 B= =-. A4 B-<0.F <40 =K.- BC. C / >.@=40 =A= ; C HC / < A.4E 4. = 0 <G<4./. B= ; 4 G-<HB H< @ <0J= 4/ #=>. <40 / H=4B 4E=E/ ; BC B BC. -=<0 .<0 4A BC-=EAC BC. 5 C<K 4A B= /E-5=E4B =4. = BC=/. - K.- >.0/ ; C HC <-. .5><4L.0 H=4/ 0.-<> @ <>=K. BC. .K. = BC. <0J<H.4B H=E4B-@ <40 = ; C HC ; . < B.- ; <-0/ /< ; /= 5<4@ B <4HC=- 4 #=>. >./ 0./ < <-A. 4E5>.- = 5 .-HC<4B H-< B ; </ BC. <-A. -=4&>. B.0 <G<4./. H=-K.BB. ? 2 ; C HC C<0 BC. C=4=E- B= 0./ A4 <40 /.. >E B 4 4A <40 =- C / 5<J./B@ BC. L<0=(<40 L. ; /. /E-K.@ 4A /C G @2 + <40 AE4&K.//. 2 C. H<GB< 4 = BC. 7 2 H<5. B= .BHC E/ <40 ; . G-=H..0.0 B= C / /C G ; C HC C<0 JE/B -.BE-4.0 -=5 #=-.< <40 ; C HC ;</ 5 4EB. @ 4/G.HB.0 >@ C / .NH. .4H@ BC. 5 4 /B.- = 5<-4. @2 2 / H=5 5<40.0 >@ <GB< 4 0- HC ; C= /= 5EHC 0 /B 4AE /C.0 C 5/. 4 BC. / .0A 4A ; =-L = =E- -.H.4B =-BC $= . NI G.0 B =4 ; </ E4<> . -=5 ; <4B = B 5. B= K / B C / /C G D ; C HC 5@/. C<0 C<0 BB.0 <B == ; HC </ < /E-K.@ 4A %.// 5<4@ @.<-/ <A=F >EB C<0 BC. G .</E-. = H< 4A =4 <GB< 4 <40 -/ 0- HC =4 /C=-. <B.- 4 BC. 0<@ ! E- 4A BC. =-.4==4 ; . 0-=K. B= BC. <5=E/ ; <B.- < / B ; = =-BC-. . 5 ./ =EB = BC. B= ; 4 =- -<BC.- B= BC. ></. = BC. C /0= ; 4

; C HC BC.@ 0-=G C<K 4A BC.4 < 0. ACB E H 5> BC-=EAC =K. @ /H.4.-@ = C ; ==0 <40 /B-.<5 B= BC. < / BC.5& /. K./

BC. ; <@ EG <-. /H<BB.-.0 B.<&C=E/./ ; BC =4. 5=-. =- .// G-.BB@ A - <B .</B B= .<HC =- / BC. G <H. ; <4B 4A 4 BC. H=4K.4 .4H./ = ; =-/C G =- BC.-. <-. BB . B.5G ./ <40 A=0/ 9<40 /C- 4./&/E H .4B 4 4E5>.- =- < -.</=4<> . G.=G . . /B=GG.0 <B =4. = BC./. =4 BC. ; <@ 0= ; 4 ; C.-. BC. A=00.// # ; <44=4 ; </ /E--=E40.0 >@ /5< A B AE-./ JE/B </ BC. % -A 4 / /E--=E40.0 >@ <4A. / = 5E/ H 4 -< 4A. H<3/ <5=E/ G HBE-. 4 BC. ' ? $< <H. # ; <44=43/ <4A. / <40 BC. % -A 43/ >. 4A = <>=EB BC. /<5. / ?. C.-. ; .-. =BC.-A=0/ <>=EB BC />E 0 4A <40 ; .C<GI G.4.0 B= >. G-./.4B <B BC. B 5 . ; C.4 4E5.-=E/ HEG/ = - H. ; .-.>. 4A = .-.0 EG=4 BC. < B<- >@ <4 = 0 ; =5<4 <BB.40<4B C.-. ; </ < >=N =-K= E4B<-@ /E>/H- GB =4/ H E0 4=B ME B. E40.-/B<40 BC / B.5G . </ 4=- G- ./B/ ; .-. K / > . <40 BC.-. ; </ < >E/ 4.//& L. 5=4.@&5<L 4A ==L <>=EB BC. <--<4A.5.4B/ ; C HC A<K. BC. ; C= . BC 4A BC. <GG.<-<4H. = < GE-. @ H=5 5.-H < /G.HE <B =4 C.-. ; .-. /.K.-< <G<4./. A.4B .5.4 ; BC E/ >EB 4=4. = BC.5 /..5.0 B= E40.-/B<40 <4@ 5=-. <>=EB B BC<4 0 0(=4. = BC.5 /EAA./B.0 C= ; .K.- BC<B BC. G-=G- .B=-/ ; .-. G-=><> @ G- ./B/ <40 BC<B 5<@ C<K. >..4 BC. B-E. .NG <4<B =4 = BC. 5<BB.- B <4@ -<B. BC.-. ; .-. BC. A=0/ <40 BC. =GG=-I BE4 B ./ =- ; =-/C GG 4A <40 /E>/H- > 4A < H=5G .B.

4 BC. < B.-4==4 ; .K / B.0 BC. A-.<B C 4B=B.5G . = BC / G <H. <40 B==L < 0- K. BC-=EAC <40 <>=EB =A= BC / >. CA BC. -/B GE-. @ <G<4./. H=E4B-@ B= ; 4 = <-A. / ?. BC<B ; .C<0 @.B K / B.0 4 BC. .K.4 4A < B.-0 44.- >@ BC. L 40I 4.// = - H BHC . ; . ; .-. 4B-=0EH.0 B=B BC. H E> ; C.-. ; </ <4 <>E40<4H. = 4A /C 4. ; /G<G.-/ <40 <4 .NH. .4B > <-0&-==5 ; BC /.K.-< A==0 > <-0&B<> ./ B $; .-.&.5><-L.0 4 BC. 6 6 *>@ 5.<4/ = BC. 2 P >=<B/ <40 <B 5 04 ACB BC. <4HC=- ; </ ; . AC.0 <40 ; = ; .-. E40.- /B.<5 <A< 4 =- BC. <- 5< <0< ; C HC 5<@ >. H< .0 BC. /.H=40 G<-B = BC. 4 <40 .< A= 4A ; ./B ; <-0 BC. -/B G<-B >. 4A BC. 0?E5 <0< EG=4 ; C HC #=>. <40

$ ' % 0 ' . 0 B' B' A .

=A=' <-.' / BE< .0*' C.' B ; =' B -.' /.G<-<B.0' @' BC.' / <40' = '
; <J "' 4=-BC' <40' /=EBC' = ' ; C HC' <-.' H=44.HB 4A' /B-< B/
@'>-.<L </B' B 5 .'4.NB' 5=-4 4A' ; .' C<0' G<//.0' BC-=EAC' BC.'
<- 5<' .<"' <4B' ; .-.& ; . ' 4' <5=4A' BC.' >.<EB E' H E/B.-/'
= ' / <40/' ; C HC' .' BC HL @'/G-.<0' 4' <4' .</B' <40' ; ./B' 0 -.HI
B =4' =-' 4.<- @' B ; =' CE40-.0' 5 ./ ' B.-' /G.40 4A' /=5.'
C=E-/' <B' <4HC=-' <B' BC.' ACB = ' <>./C 5<' D<' /5< ' G HI
BE-./ME.' / <40' H =/.' B=' BC.' /=EBC.-4' .NB-.5 B@' G ' BC.'
4=-BC.-4' /C=-.F ; .' G-=H..0.0' <A< 4' BC-=EAC' =K. @' <L. L.'
/H. =-@"' ; BC' 5E B BE0 4=E/' / <40/"' < ' 5EHC' ./!' >- ACB'
<40' A-..4' <40' = ; .-@' <B' BC /' /.</=4' BC<4' 4' BC.' /E55.-' = '
H=E-/.' >=EB' 4==4' ; .'-.<HC.0"' <40' H</B' <4HC=-' 4"' BC.' /5< '
<@' = ' C<-<&=-' -< ; <"' ; C HC' C</' >..4' /G=L.4' = ' </' <
/E B<> .' / BE<B =4' =-' <' A-.<B' G-=B.HB.0' 4<K< ' ./B<> /C5.4B'
' 4..0' C<-0 @' /<@' BC<B' BC.' <GG-=<HC./' B=' BC /' G <H."' <40'
B/' 4<K< ' <40' 0. .4/ K.' H<G<> B ./"' ; .-.' H<-. E @' 4=B.0"'
; BC' -./E B/' BC<B' B' ; =E 0' >.' B==' ; .<-@ 4A' B=' BC.' -.<0.-' B='
.4B.-' EG=4' C.-.' .' <40.0"' < B.-' E4HC.=4"' <B' BC.' 4.<-./B'
K <A."' <40' G-=H..0.0' 4' ' B=' BC.' = 0' H</B .' = '
C<-<"' ; C.-.' /=5.' B 5.' ; </' =HHEG .0' 4' BC.' 4/G.HB =4' = '
BC.' C<->=E-<A."' BC.' <-B H < ' - K.-' ><4L/"' <40' /=' =-BC"' <40'
L. ; /."' <40' 4=B' .</B' 4B.-./B 4A @"' 4' A= 4A' =K.-' BC.' = 0'
G< <H.' <40' =EB>E 0 4A/' = ' BC.' H</B .' G-=G.-"' ; BC' B/' <4H .4B'
/G.<-/"' >= ; /' <40' <--= ; /"' 5<BHC =HL/"' G HBE-./"' /H-..4/"' .BH
C.' = = ; 4A' 0<@"' E40<@"' BC' = ' .>-E<-@"' ; .' -=/.' /==4'
< B.-' / N"' B=' /..' BC=' /C G' /B<-B"' <40' 4' =-0.-' BC<B' ; .' 5 ACB'
=>/.-K.' BC.' HC<-<HB.-' = ' BC.' ; ./B.-4' <GG-=<HC./' B=' C<-<"'
<40' .4J=@' BC=' / <40' /H.4.-@' ; .' &; .-.' B=' G<//' BC-=EAC ' 40'
; . ' ; </' =4.' -.G< 0' =-' - / 4A' .<- @"' >@' ; B4.// 4A' BC='
/B-<4A.' <4B</B H' >.<EB@' = ' BC.' 0< ; 4 ' 4' BC.' 4=-BC& ; ./B'
; </' < K</B' 0.4/.' ?=4.' = ' /4= ; &H =E0"' 0..G @' - 4A.0' ; BC'
-.0' <B' BC.' B=G"' <40' = ; .- 4A' =K.-' < K</B' 0<-L*<5JJC BC.<B-.'
= ' A =- =E/' C /' <40' 5=E4B< 4/ ' C.' G HBE-.' ; </' A-<40'
<40' /=5>-.(>EB' G-./.4B @' BC.' <5 C BC=<B-="' >. 4A' < N&H<O@
E ' = ' 0< ; 4 ACB"' >.A<4' B=' ' ; BC' 0<@ ACB"' <40' BC.4'
<A< 4' ; BC' 0 -.HB' /E4 ACB"' E4B ' <B' .4ABC' B' >- 55.0'
<40' -<4' =K.-' ; BC' K K 0' A =-@"' <40"' /<@/' 5@' 4=B.&>==L"'
/..5.0' B=' 4K B."' 4=B' <05 -<B =4"' >EB' ./B K.' .4J=@5.4B R

B$;</' ; <B$ C<L./G.<-.$ H< /' QJ=HE40$ 0<@"R$ BC<B$ .0$ BC.$;=-0

C.-.$; .-.$ = H<$-.</=4/' =-$A= 4A$ EG$B=$K . ;$BC.$B=;4$ =$ <L<C<-<$=-$ <L. ; <-<'6 ; C HC$ ./$ 4$<$G .</<4B$ / BE<B =4$ 4$<$K< .@'6 ; BC$ BC.$ /.< H=5 4A$ EG$ B=$ <40$ =; 4A$ G</B$ B'6 BC-=EAC$<$G-.BB@$ HC<44.$BC<B$ <05 B/$ =$BC.$G<//<A.$=$ >=<B/$ <40$ JE4L/$.$; .-.$ E40.-$;<@$ <A< 4$>. =-.$. ACB$ =3H =HL'6 /B.<5 4A$>.B ; ..4$ BC.$>.<EB E$ /H<BB.-.0$ / <40/'6 ; BC$BC. -$/ 0./$B.--<H.0$ =-$HE B K<B =4'6 L.$BC.$ C 4.&/ 0.$ K 4.@<-0/'6 >-=L.4$<B$ 4B.-K< /$; BC$H<B<-<HB/$=$A-..4$K.A.B<I B =4$ /B-.<5 4A$0=; 4$B=$BC.$/.<'6 <40$-. .K.0$>@$BC.$/C 4 4A$ /< /' =$ 44E5.-<> .$JE4L/' A K.4$ B=$BC.$5=-4 4A$; 40/' BC<B$; <40.-'6 B.-< @$; <40.-'6 <5=4A$BC.$H=E4B ./' / <40/'=$BC./.$ 4 <40$; <B.-/$ B$ P$; .$ /B-EHL$ 4=-BC ; <-0/'6 =-$ 4=-BCI ; ./B ; <-0/'6 -=5$BC.$ 5< 4$ -=EB.$B=$ C 5=4=/.L'6 4$=-0.-$B=$ K / B$ BC.$ <4H .4B$ <40$ .NB-<=-0 4<-@$ B.5G ./'=$ @<J 5<'6 ; C HC$>EB$K.-@$. ;$ E-=G.<4/'C<K.$/..4

C./.$B.5G ./'<-.$/ BE<B.0$EG=4$BC.$ / <40$=$ B/ELE$D 5I G-.A4<> .F'6 =$BC.$ 5< 4 <40$=$BC.$G-=K 4H.$=$ =<'6 <40$ 4$K . ;$=$BC.$ <-A.$B=; 4$=$.-=/C 5<'6 @ 4A$B.4$ 5 ./' B=$BC.$.</B$ GG-=<HC 4A$BC. -$/ B.$ -=5$BC.$ /=EBC'6 </' K / B=-/' 0='6 <40$=4$BC.$=EB/ 0.$=$BC.$ / <40'6 =4.$H=5./' B=$<$ /B=4.$ <4B.-4$ /B<40 4A$=EB$=$BC.$/.<=QBC.$H=-4.-$=$BC.$ / <40'6 </' <-.H.GB<H .$ =-$<$4 ACB& <5G$ =-$BC.$AE 0<4H.$=$ =H<$ >=<B/(<40$G<// 4A$ BC /'6 4.NB$ <GG.<-/' BC.$E4E/E<$ / ACB$=$<$ <-A.$ $ /B<40 4A$ 4<40 - / 4A$=EB$=$BC.$/.<(<40$ 4/ 0.$=$BC /' <A< 4$=G.4$EG$ </' @=E$<0K<4H.$<$H-=; 0$=$ B.5G ./'6 <40$<$B=; 4$<B$BC.$ ==B$=$C / C./.$C /'<-.$C AC'6 C<K.$=>K =E/ @$=4H.$>..4$BC HL @$;==0.0'6 <40$<-.$ 4$ 5<4@$ G<H./' BC HL @$;==0.0$ /B $ B$; </' =4$BC./.$C / 0./' BC<B$ BC.$ /<H-.0$ 0..-<40BC.$ /<H-.0$ 5=4L.@/' =$ @<J 5<$ =4H.$ =E- /C.0'6 <40$ B$ /' <B$BC. -$ ..B$BC<B$BC. -$.;$ -.5<4 4A$ -.G-./.4B<B K./' /B $ 4A.-9$ C.$ -/B$BC 4A$;.$ 0 0$ =4

9Q C.$5 /B<L."R$ /<@/' -$ <N' E .-"Q$; C HC$ / 4<0.>@$5=/B$; -B.-/' =4$.<- @$ -. A =4/'6 /' BC<B$BC.@$ 5I <A 4.$BC.-.$H<4$>.$>EB$=4.$5=B K.$ =-$.<HC$HE/B=5$BC<B$C</' B=$>.$.NG < 4.0

).4.-< @'6 C=; .K.-'6 BC.-.$ <-.$5<4@$ =5.B 5./' BC.$/=E /'=$BC.$0.G<-B.0$ <-.$ >. .K.0$ B=$ 0; . $ 4$ H= B< $ <4 5< /' $ $ $ =4L.@/' <-.$ ==L.0$ EG=4$</' 5.4$/ ACB @$0<5<A.0$<B$BC.

<40 4A‘ ; </‘ B=‘ /G.40‘ <‘ B- .‘ =4‘ BC.‘ ==0‘ G-.G<-.0‘ <B‘ BB .‘ /B< /‘ =-‘ BC.‘ GE-G=/.’‘ <40‘ B=‘ ..0‘ BC.-. ; BC‘ ; C<B.K.-‘ = ‘ /<H-.04.//‘ /B ‘ <4 5<B.0‘ BC.‘ =- =-4& ==L 4A‘ 0..-‘ BC<B‘ = = ; .0‘ E/‘ B=‘ =>B< 4‘ B‘ 5 .-/=4‘ /=5 . ; C.-.‘ /G.<L/‘ = ‘ BC=/.‘ 0 K 4.‘ 0<@/‘ 4‘ ; C HC‘ .K.4‘ BC.‘ H<BB .‘ 4‘ BC.‘ . 0/‘ /. . 5‘ B=‘ C<K.‘ A-.<B‘ <40‘ B-<4ME ‘ BC=EACB(‘ <40‘ ‘ BC./.‘ /E-K K 4A‘ /<H-.0‘ <4 5< /‘ C<K.‘ <4@‘ A-.<B‘ BC=EACB’‘ =-‘ .K.4‘ <4@‘ BC=EACB‘ <B‘ < ’‘ BC.@‘ G-=><> @‘ .5G =@‘ B’‘ L.‘ A==0‘ = 0& </C =4.0‘ =- ./‘ <B‘ C=5.’‘ 4‘ 0.G =- 4A‘ BC.‘ =//‘ = ‘ Q‘ BC.‘ 0<@/‘ BC<B‘ <-.‘ 4=‘ 5=-. R‘ ‘ <5‘ 5EHC‘ < -< 0’‘ C= ; .K.-’‘ BC<B‘ BC. -‘ /<H-.0I 4.//‘ C</‘ 4.<- @‘ 0 /<GG.<-.0‘ -=5‘ B/ELE(‘ <40‘ </‘ B=‘ BC.‘ 5=4L.@/’‘ BC.@‘ /. . 5‘ B=‘ C<K.‘ < 5=/B‘ < ‘ A=4.‘ < ; <@‘ 4‘ H=5G<4@‘ ; BC‘ BC. -‘ /<H-.04.//’‘ =-‘ 4‘ < ‘ @<J 5<‘ ‘ H=E 0‘ 40‘ >EB‘ =4.‘ ‘ ; </‘ </E-.0‘ BC<B‘ BC.-.‘ <-.‘ B ; =‘ 4‘ =4.‘ = ‘ BC.‘ B.5G ./’‘ >EB‘ < BC=EAC‘ ‘ ==L.0‘ H<-. E @‘ <>=EB‘ B‘ ‘ H=E 0‘ /..‘ =4 @‘ BC.‘ =4.’‘ .<G 4A‘ <? @‘ -=5‘ -< B.-‘ B=‘ -< B.-‘ =K.-C.<0’‘ /B=GG 4A‘ =HH</ =4< @‘ B=‘ .B‘ <‘ A <4H.‘ < ‘ EG=4‘ =E-‘ G<-B@‘ ‘ <5‘ /E-.‘ BC<B‘ C.‘ ; </‘ <‘ /<H-.0‘ =4.’‘ C= ; .K.-’‘ >@‘ BC.‘ H== 4./‘ <40‘ 40 .-.4H.‘ ; BC‘ ; C HC‘ C.‘ 0 0‘ BC /’‘ =-‘ .K.4‘ <5=4A‘ =E-/. K./‘ ; .‘ < ; <@/‘ 40‘ BC<B‘ BC.‘ 5=-.‘ ; .‘ <-.‘ 0 /G=/.0‘ B=‘ B-.<B‘ G.=G .‘ ; BC‘ -./G.HB‘ <40‘ -.K.-.4H.’‘ BC.‘ 5=-.‘ /E-.‘ BC.@‘ <-.‘ B=‘ B-.<B‘ E/‘ ; BC‘ H=4B.5GB‘ 4‘ -.BE-4 ‘ EB‘ ‘ C<K.‘ >..4‘ B==‘ <4N =E/’‘ ‘ 40’‘ B=‘ A K.‘ <BB.4B =4‘ B=‘ BC./.‘ < ; .& 4/G - 4A‘ >. 4A/’‘ <40‘ C<K.‘ /G=L.4‘ = ‘ BC.5‘ B==‘ /==4‘ ‘ .<K.‘ BC.5‘ B=‘ BC<B‘ / = ; &0./H.40 4A‘ >EB‘ H.-B< 4‘ 0==5‘ ; C HC‘ < ; < B/‘ BC.5

E5.-=E/‘ /L /‘ H<5.‘ = ‘ B=‘ <40‘ E/’‘ >EB‘ ; .‘ B==L‘ <‘ >=<B‘ = ‘ BC.‘ 6 ‘ <40‘ ; .-.‘ <0K /.0‘ BC<B‘ ; .‘ H=E 0‘ G<//‘ E40.-‘ BC.‘ ‘ <40‘ <40‘ <B‘ BC.‘ B.5G .‘ B/. ‘ C /‘ ; .‘ <BB.5GB.0’‘ >EB‘ E4/EHH.// E @’‘ BC.‘ B 0.‘ < 4A‘ </B’‘ <40‘ =E-‘ >=<B‘ 0-< ; 4A‘ B==‘ 5EHC‘ ; <B.-‘ .‘ BC.-. =-.‘ <40.0‘ <B‘ BC.‘ B= ; 4’‘ <40‘ /B-= .0‘ -=E40‘ B=‘ BC.‘ C 4B=‘ /C- 4./‘ C.‘ ‘ ; C HC‘ ; .‘ G<//.0‘ E40.-‘ B ; H.‘ /‘ = ‘ ; ==0‘ ‘ <-A.‘ =4.‘ 4‘ /B=4.‘ B=

H<B =E1 /=5.B 5./‘ < /=‘ </‘ 5.E‘ BCE/‘ -‘ *:%1(-/1*‘ - ’*‘ (‘ 8 :‘ (0*3 ‘ : 8*‘ F‘ /C=H‘ =-‘ BC. -‘ / 4/‘ C.@‘ <-.‘ 4‘ (0* ‘ -/ 3 -:‘ ‘ -/2‘ & 3‘ (0 ‘‘ (0* *‘ /=5.‘ G <H./‘ >. .K.0‘ B=‘ >.‘ <> .‘ B=‘ + %:2‘ =*‘ =%(‘ -‘ ‘3 -::‘ ‘(*.‘ (‘ -‘1 =C /G.<L’‘ >EB‘ B=‘ /C<5‘ 0E5>4=/‘ 4‘ =-0.-‘ /;‘ (‘ (0*3‘ 1* (- /‘ ‘-1 6‘-/1((7 ` ‘ B=‘ ./H<G.‘ <>=E-‘ .4HH’‘ B‘ 5<@‘ >=" \f ==* (‘ *1(% *‘ F

-.G <H.' B' C</' >..4' G-./.4B.0' >@' /=5.' ; .< BC@' G.-/=4<A.'' <40' CEA.' A-<4 B.' > =HL/'' < -.<0@' B- 5 5 .0' B=' / ?.' <40' /C<G.'' C<K.' >..4' >-=EACB' B=' BC.' /G=B' =-' .-.HB =4' EB' =-' /=5.' -.</=4' =-' =BC.- : G.-C<G/' BC.' ; C - 4A' = ' BC.' -.K= EB =4<-@' B=-4<0= : BC.@' C<K.' 4=B' >..4' .-.HB.0'' <40' <-.' @ 4A' BC.-.' =4' BC.' /C=-.'' ; BC' BC.' /.<' - / 4A' =K.-' BC.5' .<HC' B 0.' C.' = 0.-' G<-B/' = ' BC./.' C 4B=' /C- 4./' = ' @<J 5<' 0<B.' -=5' BC.' @.<-' ' !' BC.' <B.-' G<-B/' >. 4A' <>=EB' /.K.4' C5 0B *0' @.<-/' = 0' EB/ 0.' BC.-.'<-.' CEA.' /B=4.'<40' >-=4?.' <4B.-4/'' /=5.' = ' BC.5' = ' A-.<B' / ?.' <40' 4.' ; =-L5<4/C G'' B=' /<@' 4=BC 4A' = ' <' G< -' = ' <-A.' >-=4?.' <4 5< /'' BC-..' CE40-.0' @.<-/' = 0'' ; C HC' /=5.' G.=G .' H< ' =4/'' >EB' ; C HC' =BC.-/' 5 ACB' ; BC=EB' 5EHC' = .4H.'' ' /C=E 0' BC 4L'' H< ' >@' <4@' =BC.-' = ' <' /H=-.' = ' 4<5./' B' C AC' B 0.' BC.' ; <B.-' = ; /' <-=E40' <40' E40.-' BC.' =EB.-' G <B =-5/' = ' BC.' B.5G .' C.' B.5G ./' <-.' CE4A' ; BC' G=-B-< B/' = ' <' CE40-.0' G=.B/' = ' < ' <A./'' 5<4@' = ' BC.5' >. =4A 4A' B=' BC.' 5G.- <' <5 @' D ; C HC' /' 4=B' /E-G- / 4A'' /.. 4A' BC.' /<H-.0' HC<-<HB.-' = ' BC.' /=K.-. A4/'' <40' BC.' . /E-.' .4 =-H.0' EG=4' BC.5' <40' BC. -/F(<40' BC.-.' <-.' < /=' B=' >.' /..4' < <-A.' 4E5>.-' = ' K=B K.' ; - B 4A/'' 0-< ; 4A/'' <40' G< 4B 4A/'' /=5.' = 'BC.5' /EHC' </' 4=' =4.' ; =E 0' H=K.B'' <40' /=5.' . ;' = ' BC.5' = ' <' K.-@' C AC' H </' = ' <-B' 40..0'' <40' = ' A-.<B' K< E. : 5=-.'' ' /C=E 0' BC 4L'' BC<4' BC. -' HE/B=0 <4/' <-.' < ; <-.' = ' C.-.' <-.' < /=' C.-.' /=5.' B-.</E-./' <40' HE- =/ B ./'' <5=4A' BC.5' BC.' 5 5.4/.' >= ;' = ' BC.' C.-=' <AE-='' <40' <' / ; =-0' ; C HC' >. =4A.0' B=' BC.' G- 4H.' = ' =B='' BC.' /H<>><-0' = ' ; C HC' ' =E40' B=' 5.</E-.' ,*' ..B' 4' .4ABC'' <40' BC.' C<40 .' ==B' C.-.' /' < /='' /B<40 4A' <>=EB' ' ..B' 4' .4ABC' <>=K.' A-=E40'' <40' ' ..B' -=E40'' G<-B' = ' <' B-..' G <4B.0' >@' BC.' .5G.-=-' <L<LE-<' D) & F'' <40' BC.-. =-.' <B' .</B' /.K.4' CE40-.0' @.<-/' = 0

40' 4= ;' ' ; ' 0.B< ' B=' 5@' -.<0.-/' <' . ;' <HB/' <>=EB' BC.' =- A 4' = ' BC /' B.5G .'' ; C HC' ; .-.' H=5 5E4 H<B.0' B=' 5.' >@' BC=' <EBC=- B ./' =4' BC.' /G=B'' <40' 4' G.- .HB' A==0' < BC'' /=' BC<B' 4=' =4.' 4..0' 0=E>B' BC.5' E4 .//' C.' G .</./' C.' A=00./' = ' BC /' B.5G .' /' C</C -<4=&C 5 .&=&L<5 '' ; C=' ; </' BC.' 0<EACB.-' = ' E/<4==&4=&5 L=B='' ; C=5' ; .' L4= ;' /=

$' % 0 ' . 0 B' ' B' A &. 2P

5EHC' <>=EB'' -=5' ;C<B' C</' A=4.' >. =-. ' C.' /E4&A=00.//'' 5<B.-</E'' =-0.-.0' * ' A=00.//' D</' ;.' ; ' =-' BC.' 5=5.4B' H< ' C.-' = ''BC /' B.5G .F' B=' H=5.' 0=;4' -=5' C.<K.4' <40' <> 0.' C.-. ' C.' H<5.' 0=;4'' CEB' =-' <' =4A' B 5.' 4=' -./ 0.4H.' ;</' G-=K 0.0' =-' C.-' 4' G= 4B' = ' <HB' BC /' A=00.//' 5E/B' C<K.' >..4' ;<40.-4A'' 4.A .HB.0' <40' C=5.I .//'' =-' <4' 55.4/.' G.-=0'' G-' B' ;</' =4 @' 4' BC.' -. A4' = ' BC.' .5G-.//' E L=' D P&72 ' + ' BC<B' /C.' C<0' BC.' B.5G .' >E B' =-' C.-' =;' </' /C.' G-=><> @' H<5.' 0=;4' =4A' >. =-.' 55E& .44=' >.A<4' B=' -. A4'' <40' </' C /' -. A4' H=55.4H.0' 77 ' '' B' ;=E 0' /..5' BC<B' BC -B..4' CE40-.0' @.<-/' ;=E 0' >.' 5EHC' ; BC 4' BC.' B.-5' = ' C.-' ;<40.-4A/ ' =;.K.-'' BC./.' H<5.' B=' <4' .40' <B' </B'' <40' 4' BC.' = =; 4A' -.5<-LI <> .' ;<@' B' <GG.<-/' BC<B' <' 5<4' 4<5.0' <.L 4=&#E-<5=B='' K 4A' 4.<-' BC.' / <40' = ' B/ELE'' ;</' =EB' 4' <' >=<B' /C 4A' Q' ; BC' <4=BC.-' = 0' . =;' R' D/=' -E4/' BC.' 4<--<B K.F'' <40' ;C.4' BC.@' C<0' A=4.' </' <-' </' L<4=/C 5<' BC.@' =>/.-K.0' H=5 4A' B=;<-0/' BC.5' <' >=<B' ; BC' <' -.0' /< ' /.B' =4' C.-' C /' >=<B' H=/.0' EG=4' BC.5' <40' <B' .4ABC' H<5.' EG' B=' BC.5'' <40' ;C=' /C=E 0' BC.@' /..' =4' >=<-0' = ' C.-' >EB' =E-' A=00.//'' ;C=' B= 0' #E-<5=B=' B=' </L' BC.' L<0=' D<B' BC<B' B 5.' <4' .5G-.//F' B=' >E 0' <' B.5G .' =-' C.-' 4' @<J 5<' D B/ELE&' /C 5<F'' <40' G-=5 /.0' B=' G-=B.HB' BC.' L<0=3/' A=K.-45.4B' =-' =K.-' #E-<5=B=' =-BC ; BC' 5<0.' C /' ;<@' EG' B=' # =B='' <40' -.H=E4B.0' B=' BC.' A=K.-45.4B' ;C<B' C.' C<0' /..4'' <40' BC.' 4/B-EHB =4/' C.' C<0' ->H. K.0' B' C<GG.4.0' BC<B' BC.-.' ;</' /=5.' /=-B' = ' 5 /HC . ' =-' B-=E> .' =4' ==B9' <B' BC.' B 5.' 4' # =B='' <40' BC.' A=K.-45.4B'' 0 /H.-4 4A' 4' BC /' <' G-== ' = ' =E-' A=00.//3/' <4A.-' <B' BC=' 4.A .HB' /C=;4' B=' C.-'' <B' =4H.' A<K.' =-0.-/' =-' BC.' >E 0 4A' = ' C.-' <>=0.' #E-<5=B=' H<5.' ><HL' ; BC' C /' =-0.-' =-' BC.' B.5G . : 0. ACB.0' .4=EAC'' 4=' 0=E>B` : <40' <GG .0' C 5/. ' B=' 40 4A' =EB' BC.' >./B' G <H.' =-' B ' C .' .4A<A.0' 4' BC /'' 0=;4' -=5' BC.' B=G' = ' BC.' 5=E4B< 4' .;' <' > -0'' <40' ;.4B' - ACB' <C.<0' = ' BC.' >=<B' 4' ;C HC' #E-<5=B=' ;</' 5<L 4A' C /' .NG =-<B =4 ' #E-<5=B= : ' </' ;.' 5E/B' /..' >@' BC /' B 5. : ;</' <-' B==' ; /.' Q' <4' = 0' . =;' R' B=' 4.A .HB' <' HC<4H.' L.' BC /' (C.' = =;.0' BC=' > -0' B ' B' /B=GG.0'' <40' B' /B=GG.0' <B' BC.' / B.' = ' BC=' G-./.4B

B. 5G ."6 4G=4' BC.' >E 0 4A' = ' ; C HC' #E-<5=B=' <B' =4H.' /.B' B=' ;=L" H=4B 4E 4A' &; BC' /EHC' .4.-A@' BC<B' C.' A=B' B' H=5G .B.0' 4' =K.5>.-' = ' BC.' /<5.' @.<-' ' <5' /=--@' B=' /<@' BC.-.' /' <4=BC.-' <HH=E4B(A=B' EG"6 ' /C=E 0' H=4J.HBE-."6 >@' /=5.' =4.' ; C=' A-E0A.0' #E-<5=B=' C /' <5.' <40' C=4=E-1 BC /' /<@/' BC<B' BC.' A=00.//' ; </' G <H.0' =4' BC.' / <40' </' =4A' <A=' </' BC.' B 5.' = ' BC.' .5G.-=-' EJ 4& .44="6 ; C=' ; </' -. A4 4A' ; C.4' C- /B' ; </' C=-4"6 <40' -. A4.0' B ; .4B@&4 4.' @.<-/' < B.-; <-0/' ' H<44=B' 0.B.-5 4.' ; C HC' <HH=E4B' /' H=--.HB"6 <40' =-' < -.</=4' ; C HC' ; ' <GG.<-' -=5' BC.' = =; 4A' ME=B<B =4' -=5' <' ; - BB.4' H=5 5E4 H<B =4' 5<0.' B=' 5.' 4' 4A /C' =4' BC.' /E>J.HB' Q' C.-.' ; </' <' ACB 4A' >.B ; . .4' BC.' =4.' H< .0' 4<5=B=4=& -=4<-"6 ; C=' L.GB' < ' K< E<> .' ; - B 4A' <>=EB' @<J 5<"6 <40' HC & =/C B<L<! <40' BC.' =-5.-' ; </' B=B< @' 0. .<B.0"6 <40' C /' C=E/.' ; </' < ' >E-4B' 0=; 4(BC.-. =-.' ; .' =/B' < ' K< E<> .' ; - B 4A/' <>=EB' @<J 5<' 4' BC<B' B 5.' = ; .K.-"6 ; C.4' < /C @=A=LE' # @=5=-' ; </' BC.' G- 4H.' = ' L 4=LE4 "6 BC.' >E 0 4A/' ; .-.' 5<0.' 5EHC' <-A.-"6 <40' B' >.H<5.' < 5=/B' BC.' 4./B' B.5G .' 4' <G<4 R

C.-.' /' < /=' <B' @<J 5<"6 /EG.-> @' / BE<B.0' =4' <' C "6 <' E00C /B' B.5G .' =' <' BC=E/<40' %5<B/' R(<40' L.; /.' <' G<A=0<' C.' B=; 4' <40' K H 4 B@' <-.' H. .>-<B.0' =-' BC. -' >.<EB@' 4' BC.' /.</=4' = ' > =//=5/"6 <40' C<K.' <05 -<> .' B.<I C=E/./' <40' A<-0.4/' 4.' /EHC' G <H.' 4' G<-B HE <-"6 ; C HC' ; .' K / B.0"6 L4=; 4"6 ' >. .K."6 </' BC.' <G .' B.<&C=E/.' <40' A<-0.4"6 5E/B' C.' <' HC<-5 4A' G <H.' 4' G- 4A' <40' /E5 5.-

. =-.' BE-4 4A' -=5' BC /' K.-@' 0. ACB E ' /G=B"6 ' 5E/B' -.G.<B' <4' 4B.-./B 4A' /B=-@' <>=EB' BC.' Q' ACB 4A' R' BC<B' =HI HE--.0' C.-.' 4.<- @' BC-..' <40' <' C< ' H.4BE- ./' <A="6 BC.' -.H=-0' = ' ; C HC' -' <B=; ' C</' ME B.' -.H.4B @' GE> /C.0' 4' H=44.HI B =4' ; BC' <' C /B=-@' = ' BC.' C- /B <4' HCE-HC' <B' <5<AEHC "6 4' E; ="6 4.NB' B=' C=/C E"9' C.' HC<-<HB.-/' H=4H.-4.0' <-.' =/C B<L<"6 A=K.-4 4A' G- 4H.' = ' BC.' 0 /B- HB"6 <-EL<B<' D ; C=' ; </' L4= ; 4' G-.K =E/ @' </' <L< E/<F"6 C /' 5=/B' G= ; .- E ' K<//< "6 <40' =B=4<-"6 < 4. AC>=E- 4A' 5<A4<B.' <40' A.4.-< ' C.' -/B' <HB' D ' ' 5<@' /=' <-' </IE5.' BC.' 0-<5<B H' /B@ .F' -.K.< /

E4.' F"6 <40' < .HB/' B=' -.A-.B' C<K 4A' ;</B.0' B 5.' 4' =-B @ 4A' <' G <H.' /B ' /=' .</ @' B=' >.' B<L.4' <-EL<B<' 5<-HC./' 4B=' BC.' B-<G"6 A=./' = ' ; BC' 2 " ' 5*4' B=' C<LE4 "6 ; C HC' /' 4.<-' B=' BC.' / <40"6 .-- ./' BC.5' =K.-' 4' JE4L/"6 H<GBE-./' BC.' / <40' DB=' BC.' C=--=-"6 0=E>B .//"6 = ' BC.' /<H-.0' 0..-' <40' 5=4L.@/F"6 <40' /.40/' = ' C /' 0. <4H./' B=' =B=4<- ' C /' /' 4' HB=>.-' = ;' H=4 ./' BC.' BC -0' <40' </B' <HB"6 G-.5 / 4A' BC<B' 4' BC.' 4B.-K<' =B=4<-' C</B.4/' 0= ; 4' B=' #E/<B/E"6 =4' BC.' 5< 4 <40' H =/.' >@' @<J 5<"6 BCE/' HEBB 4A' = ' <-EL<B<3/' -.B-.<B(<40' BC<B"6 < BC=EAC' 5=/B' = ' BC.' $ ' = ' BC.' G-=K 4H.' BC=EACB' =B=4<- 3/' 0. .<B' ;</' H.-B< 4"6 <40' H=4/.ME.4B @' C. 0' = "6 C.' C<0' P ' ACB 4A' K.//. /' G <H.0' <B' C /' 0 /G=/<' -=5' BC.' G-=K 4H.' = ' @="6 4' C L=LE"6 <40' $-=K 0.4H.' /.4B' C 5' <' 4.' 4 ACB&B.5G./B' B=' < 0' 4' H=K.-4A' C /' =G.-<B =4/' C /' .4<> .0' C 5' B=' < ' L.' <' /B=-5&A=0' EG=4' > /' =.' ! E- 4A' BC.' B.5G./BE=E/' 4 ACB' DBC.' </B' = ' BC.' 5=4BCF"6 <-EL<B<3/' <-5@' / ..G/(4=' /.4B- ./' <-. G=/B.0"6 BC.' /B=-5' >. 4A' <' /E H .4B' AE<-0"6 BC.@' BC 4L(>EB' BC.' B-==G/' = ' =B=4<-' <-.' 5=-.' BC<4' < ;<L."6 BC.@' <-.' BC -/B 4A' =-' / <EACB.-(BC.@' .5><-L(BC.@' /B<40' =K.-' B=' BC.' /<H-.0"6 =-' -<BC.-' /<@' 0./.H-<B.0"6 / <40! BC.@' / .4B @' <40 ' /' BC.' 0<@'>-.<L/"6 BC. -'><BB .' H=4HC./' /=E40' BC.' </I<E B(BC.@' -E/C' EG=4' BC.' =-B H<B =4/! BC.' B==& 4E5.-=E/' 0. .40.-/' A.B' 4' .<HC' =BC.-3/' ;<@(BC.' =B=4<-' 5.4' /B=-5' =K.-' BC.5 ('BC.' 0. .4H./' <-.' H<-- .0' 4' K< 4' <-EL<B<' .40.<K=E-/' B=' -< @' C /' 5.4(BC.@' >-.<L' < ;<@' -=5' C 5' 4' B.--=-! BC.@' -E/C' B=' BC. -' JE4L/(BC.@' 0-= ;4' >@' BC=E/<40/' 4' <BB.5GB 4A' B=' H-= ;0' =4' >=<-0' = ' BC.5' $==-' <-EL<B<' C 5/. "6 BC=EAC' <' C.-="6 /' <' /B=EB' <40' BC.-.I =-.' <' / = ;' =4.' (</' ; . ' </' C.' H<4' C.' G<4B/' <40' G-.//./' <40' / ;<@/' C /' ;<@' B=' BC.' /C=-.(>EB' >=<B' BC.-.' /' 4=4."6 <40' L.' /' =-0' <A< 4/B' ;C=5' C.' BE-4.0"6 C.' B==' C</' =4 @' BC.' =4.' -=<0' = ' 0.<BC' < =4A' ;C HC' C.' H<4' 4= ;' B-<K. I C.' H=5&(5 B/' ' 4' /EHC' /B-< B/' BC.' -.4HC"6 BC.@' B. ' E/"6 B<L.' BC. -' H=E-<A.' 4' >=BC' C<40/(>EB' BC.' <G<4./.' = ' BC.' 4= ;' >@A=4.' B 5.' E/.0' B=' B<L.' C /' H=E-<A.' 4' =4.' C<40' <40' C /' H= ;<-0 H.' 4' BC.' =BC.-"6 <40' /=' GEB' <4' .40' B=' C 5/. (4=B' <4' < B=A.BC.-' <05 -<> .' .40 4A' =-' <4@>=0@' <B' <4@' B 5.

0. ACB E -E4 /=EBC ; <-0 = < . ; C=E-/ <5=4A BC. / <40/ >-=EACB E/ 4 BC. .K.4 4A <A< 4 4B= BC. -=EB. =- C 5=4=/.L <40 <B ; . / ACB.0 BC. ./<L ACB <B BC. .</B.-4 .4B-<4H. = BC./. -.5<-L<> @ 4<--= ; /B-< B/ C / ACB / 4.<- BC. 4=-BC.-4 .NB-.5 B@ = BC. A-.<B / <40 = # E/C E ; C HC / /.G<-<B.0 >@ BC./. /B-< B/ = C 5=4=I /.L -=5 BC. 5< 4 <40 = <G<4 =- /B- HB @ /G.<L 4A -=5 BC. A-.<B / <40 = =4/C E ; C HC / >@ <- BC. <-A./B = BC. =E- A-.<B / <40/ = ; C HC <G<4 / HC . @ H=5G=/.0 - H BHC .<40 C / ACBC=E/./B< <40 BC. 6 6 ; BC C.- H<GB< 4 <40 H-. ; ; .-. >E/ @ <B ; =-L <B <4 .<- @ C=E- 4 BC. 5=-4 4A EG=4 BC. HC<4A 4A = >E=@/ BC. /EGI G @ 4A = /B=-./ <40 =BC.- 0EB ./ g BC. - 0.G<-B5 .4B! >EB B ; </ 4=B E4B < <B.- C=E- BC<B =E40 5@/. =4 0.HL <05 - 4A <40 .4J=@ 4A BC. >.<EB E /C=-. /H.4.-@ C. G <H. ; </ 4=B ; BC=EB 4B.-./B B= <4 4A /C5<4 </ BC./. <-. BC. ; <B.-/ 4B= ; C HC /B.<5.0 4 7P BC. /ME<0-=4 = C- /B <4 4A <40 DH=5G=/.0 = 4 4. ; <-&/C G/ H<--@ 4A AE4/ <40 .<AE.0 ; BC BC-.. -.4HC =E- ! EBHC <40 =4. 5.- H<4 /C G H<--@ 4A B=A.BC.- 5=-. BC<4 <4=BC.- CE40-.0 AE4/F B= > <?. < ; <@ <B BC. K./ <40 ><BB.- ./ = BC. /E>J.HB/ = BC. G- 4H. = <A<B= : <A<B= >. 4A < /5< H=E4B@ 7 5 ./ =4A <40 <>=EB 5 ./ >-=<0 =- BC. A-.<B.- G<-B = B/ .4ABC <40 S 5 ./ <B B/ K.-@ >-=<0./B G= 4B C. -/B H- 5. B= >. GE4 /C.0 ; </ BC. ; <-4 4A = -=5 => 00.4 ; <B.-/ D E4. 2 7PF = BC. 5.- H<4 /B.<5.- 5 $ " >@ < > <4L 0 /HC<-A. <40 BC. <BB<HL 4A = C.- >@ B ; = =H< 5.4&= & ; <- =4 BC. = = ; 4A 0<@ >.H<E/. /C. -.I E/.0 B= 5=K. < ; <@ >EB /= <BB<HL 4A C.- BC<B /C. /E/B< 4.0 4= 4JE-@ 4 5.- H<4 ; - B.- ; C=5 = B.4 ME=B. 4 BC / ; =-L 1 /<@/1 Q / < 5<BB.- = 4B.-4<B =4< < ; BC. <I G<4./. C<0 < G.- .HB - ACB B= H =/. BC. B-< B/ = C 5=4=I /.L / 4H. BC. - ACB B= E/. B ; </ 4=B /B J5 <B.0 >@ B-.<B@ <40 .<HC 4<B =4 C</ < - ACB B= < .<AE. = 5<- 4. B.-- B=-@ < =4A B/ /C=-./ <40 B= BC. /B-< B/ <40 ; <B.-&G<//<A./ H=5 5<40.0 >@ H<44=4&/C=B

I

; C.-.' /C.' ; </' C.' 0 /-.A<-0.0' BC.' ; <-4 4A' = ' > <4L' H<-B- 0A./ R' = ; .K.-'' 5.- H<'' L.' =E-/. K./'' -.H=A4 / 4A' /=5.' =BC.-' G- 4H G ./' </' 5EHC' C AC.-' <40' 5=-.' H=5 5<40 4A' BC<4' 5.-.' Q - ACBR' <40' QJE/B H."R' C.-' .4K=@' /.4B' 0=; 4' BC.9' 8 2 $ #' B=' B<L.' -.B- >EB =4'' <40' =4' BC.' 7BC' = ' E @' /C.' C<0' <' /C<-G' .4A<A.5.4B' ; BC' BC.' B ; =' C=/C E' /C G/' <00' BC.' /C=-.' ><BB.- ./'' > = ; 4A' EG' =4.' = ' BC.' K.//. /' <40' / 4L 4A' BC.' =BC.-' /' = ; 4' /C G' ; </' 5EHC' L4=HL.0' <>=EB' < /='' C<K 4A' K.' 5.4' L .0' <40' / N' ; =E40.0' B' <>=EB' BC.' /<5.' B 5.' /=5.* -.4HC' <40' ! EBHC' /C G/' ; .-.' < /=' ; <-4.0' = ' >@' > <4L' -.'' <40' BC.-. =-.' /=5.' -.4HC' <40' ! EBHC' 5.4&= & ; <-' ; .4B' <40' > <?.0' < ; <@' <B' BC.' C 5=4=/.L' ><BB.- ./' ; BC' /C. &AEB / ' Q' 5G.' K.4A.<4H.' ; </' BCE/' B<L.4"R' /<@/' -') - /'' Q' >@' ! EBHC'' -.4HC'' <40' 5.- H<4/' =' - B /C' K.//.' ; </' 4JE-.0 R' EB' BC /' ; </' <4' < < -' = ' <' /=-B' /EHC' </' 4A <40' H=E 0' 4=B' = ' H=E-/.' >.' L.GB' =EB' = '' <40' < BC=EAC' Q' =-0.-/' -=5' ' ') =K.-J 5.4B' =-> 00 4A' - B /C' G<-B H G<B =4' 4' BC.' 4..0 .//' <40' ; HL.0' <HB' = ' ; <-' <-- K.0' < B.-' BC.' /ME<0-=4' C<0' /< .0'' <40' -' ' 4=HL' ; </' * .4' -.H< .0' B=' .NG < 4' BC.' / BE<B =4' R' D) - /F'' 4' ; .4B' BC.' 4A /C' /C G/' =4' BC.' BC' = ' .GB.5>.-' 7S'' <40' ; BC' 5.- H<4/'' -.4HC'' <40' ! EBHC 5.4' >=5><-0.0' BC.' ><BB.- ./'' <40.0' 5.4' B=' / .4H.' BC.5'' <40' -.5=K.0' BC.' AE4/' 4' BC.' 4.NB' 5=4BC' BC.' -.G-./.4B<B K./' = ' BC.' /<5.' =E-' G= ; .-/' 0.H 0.0' BC<B' B' ; =E 0' >.' <' A==0' BC 4A B=' <00' B=' BC /' >=5I ><-05.4B' <' 0.5<40' =-' ' $ ') ' </' Q' 40.54 B ./' <40' .NG.4/./' =-' BC.' C=/B .' <9HB/' = ' BC.' G 4H.' = ' <A<B="R' <40' BC.@' 4/ /B.0' =4' BC.' 5=4.@' >. 4A' G< 0' (<40' B' C</' >..4' G< 0'' BC.' </B' 4/B< 5.4B' C<K 4A' >..4' C<40.0' =K.-' 4' ,7' B' /' BC.' G-./.4B' A=K.-45.4B' = ' BC.' L<0='' /B-EAA 4A' >-<K. @' < =4A' BC.' G<BC' = ' H K /<B =4' <40' G-=A-.//' ; C HC' 4A <40'' -<4H.'' <40' 5.- H<' C<K.' G-.A/.0' BC.5' B=' GE-/E.'' BC<B' C</' C<0' B=' G-=K 0.' BC.' 5=4.@'' <40' BC<B' B=='' <B' <' B 5.' ; C.4' B/' HC . ' 0 HE B@' 4' GE-/E 4A' BC.' 4. ; ' H=E-/.' C</' >..4' <' 4<4H < ' =4.

Q' ' ; <0' /=5.' G=; .-' BC.' A B .' A .' E/"
=' /..' =E-/. /' </' BCH-/' /..' E/ R

0 '' '' (0*' '. (' +0* *' (0*' = 3=- 2 /;' &:**(''' :-7 (0* *

$ % 0 . 0 B A &. 2

; .-. BC. >< BB.- ./ BC<B ; . =K.-BC-. ; (<40 C.-. <B 5@ / 0. </ == L <B >=BC / < C=/C E = H.- 4= ; = BC. <G<4./. B 4<K@ ; C= ; </ =4 /C=-. BC .-. 0= 4A BC. >./B C. H=E 0 B= i Z-./ /B BC. C- /B <4/ . /5 ./ ; C.4 BC. K=-0/ C- /B <4 [<40 C 4 =4=/.L A.B >@ <4@ HC<4H. BC-= ; 4 B=A.BC.- =- 4.<- .<HC =BC.- 4 H=4K.-/<B =4 -) - / /<@/ Q BC. B=B< . NI G.4/./ 4HE--.0 >@ BC. ' 4 B.0 B<B./ 4 BC / .NG.0 B =4 ; .-. .//BC<4 2 " 0= <-/"R <40 A K./ , " 0= <-/ </ BC. /C<-. = BC. 40.5 4 B@ ; C HC B H < 5.0 <40 B==L =-BC@ /=4/ = < 4=> . / -. 4 ==L 4A <B BC. /G=B ; C.-. . BC. 4A /C 0.<0 L .0 4 BC. .4A<A.5.4B -. .--.0 B= H=E 0 >EB -.A-.B BC. - =// 9

C. B-< B/3= C 5=4=/.L <-. K.-@ 4<--= ; " .// BC<4 C < 5 . >-=<0 <B =4. G<-B" <40"</ BC. @ H=44.HB BC. 4 <40 .< ; BC BC. .< = <G<4" < /B-=4A <40 / ; B B 0. =/H <B./ BC-=EAC BC.5 C. B= ; 4" = " 4C<> B<4B/" ./ < =4A BC. 4=-BC.-4 ><4* 4.<- BC. .</B.-4 .40 = BC. /B-< B" <40 /" /C=E 0 BC 4L" ME B. B ; = 5 ./ 4 .4ABC . <40.0 <B G ` " B= ==L BC-=EAC BC. B= ; 4 <40 B/ B.5G ." ; C . BC. 6 < 5 G-=H..0.0 ; BC C.- ; =-L <B ; C<B / </B >.H=5 4A L4= ; 4 </ BC. =LE-.4 ACBC=E/." -=5 /=5. 5 /G- 4B 4A = BC. 4<5. B / -.< @ / BE<B.0 =4 BC. / <40 = EB/E-." <40 5<-L/ BC. ; ./B.-4 .4B-<4H. = BC. /B-< B/ =>/.-K." C= ; .K.-" BC<B .K.4 BC. ACBC=E/. 0.G<-B5.4B 4= ; /=5.I B 5./ <0=GB BC. .--=4.=E/ 4<5. = =LE-.4 E- -/B K / B =4 <40 4A <B C 5=4=/.L ; </ B= BC. C 4B= B.5G ." ; C HC / / BE<B.0 <B /=4 . BB . C. ACB EG BC. C / 0." >EB C</ B/ /B<40 4A H =/. B= BC. /.<3/ .0A. C.-. / <4 4B.-./B&" 4A .A.40 : >EB ; C@ /C=E 0 H< B < .A.40 V ; C@ 4=B < C /B=-@V : H=44.HB.0 ; BC BC. ./B<> /C5.4B = BC / B.5G .

_ C<K. GE &G=/. @ B=EHC.0 CEB ACB @ 4 BC / ; =-L EG=4 BC. H=40EHB = =E-/. K./ <40 =BC.-/ 4 H=EE.=B =4& ; BC BC. >=5><-05.4B/ <40 G.HEI 4 <-@ .NB=-B =4/ = >=BC BC. #<A=I /C 5< <40 BC. C 5=4=/.L < < -/" </ B / 4. BC.-4.H.//<-@ 4=-0./ -I <> . B= -.K K. BC. H=4B-=K.-/ ./ BC<B A-. ; =EB = BC.5 </L 5@ -.40.-/ B= >. .K." C= ; .K.-" BC<B BC. .. 4A <K.-/ =4 ; BC ; C HC -.A<-0 BC=/. <HB/ C</ 4=B >..4 A B @ .4B.-B< 4.0" >EB / B . -./E B = < d5-. E G.-E/< = 0./G<BHC./ <40 =BC.- 0=HE5.4B/ <40 GE> H<B =4/ C. 5=4=/*L 0.5<40 ; </ .4I B -. @ E4JE/B <> ." <40 C. 5=4.@ B<L.4 =EACB B= >=-.BE-4.0

% E #

H=E 0 4=B =>B< 4 E G<-B HE <-/ = B (< H=E 0 .<-4 ; </ BC<B BC. /B-=4A HE--.4B = BC. /B-< B/ ; </ /= G.-/ /B.4B 4 H<--@ 4A < ; <@ BC. /B=4./ ; C HC ; .-. B= =-5 G<-B = B/ =E40<B =4 BC<B B >.H<5.4.H.//<-@ B= <GG.</. BC. = .40.0 G= ; .-/ >@ BC. /<H- H. = < .<40 /=5. >.<EB E <40 0.K=B.0 ; =5<4 = .- 4A C.-/. ; </ </C.0 B= =4. = BC. /B=4./ >. =-. B ; </ = ; .-.0 4B= BC. -E/C 4A ; <B.-/ C. = .- 4A ; </ <HH.GB.0 BC. 0 HE B@ ; </ BCE/ A=B =K.- <40 BC. 4=> . 5<-B@-. C</ < /C- 4. ; C HC /C. ; . 0./.-K./ 0.K=B.0 B= C.- 5.5=-@ < C /=--@ BC<B H<44=B C. G B= 5 5=-B< /. C.- 4 C= ; .K.- /5< < 0.A-.. >@ -.H=-0 4A C.- 4<5. C.-.

E- /E>/.ME.4B /B-= BC-=EAC BC. B= ; 4 ; </ K.-@ 4B.-I ./B 4A </ ; . C<0 . /E-. B= ==L H<-. E @ 4B= BC. /C=G/ <40 4=B. BC. <-B H ./ = B-<0. <40 5<4E <HBE-. /G.H < B= < <GI <4./. /.<&/ 0. B= ; 4 ; C HC 0= ; 4 B= BC. 5.<4./B<40 G==-./B BC 4A/ ; .-. HE- =E/ <40 4B.-./B 4A B= E/ /B-<4A.-/ =- H=E 0 =4. =-A.B BC<B C 5=4=/.L C</ B/ C /B=- H 4B.-./B BC.- 4.<- @ /.K.4 CE40-.0 @.<-/ <A= BC. < -< 5.4 ; .-. 0- K.4 >@ BC. K HB=-./ = =/C B/E4. <40 C.-. BC. B ; = <-5 ./ G-.G<-.0 =- < E-BC.- /B-EAA . B= B<L. G <H. BC / B 5. EG=4 BC. ; <B.- C. < -< 5.4 <-./< 0 B= C<K. C<0 K. CE40-.0 JE4L/ <40 B= C<K. .5><-L.0 4 BC.5 4=B 5.-. @ BC. - ; K./ <40 <5 ./ <40 <A.0 G.-/=4/ >EB H=E-B <0 ./ 4H E0 4A BC. 0= ; <A.-&.5G-.// ; BC9*C. 0.BC-=4.0 HC 0& L<0= <40 BC. /<H-.0 >< <40 / ; =-0 DBC. 0EG H<B.F C. 4<5=B= 5.4 E4 4HE5>.-.0 ; BC ; =5.4 <40 HC 0-.4 5<44.0 /.K.4 CE40-.0 JE4L/ C. ><BB . ; </ C.-= H< @ =EACB <B -/B A= 4A 4 <K=E- = BC. < -< 5.4(BC.4 >@ <HB/ = G.-/=4< G-= ; .// =/C B/E4. BE-4.0 B 4 C / <K=E- <40 4 BC. .40 EBB.- @ =K.- ; C. 5.0 C / .4.5 ./ <-- =-/ = 0 G.=G . HC 0-.4 <0 ./ < L. G.- /C.0 C. A-<405=BC.- = BC. HC 0& L<0= 4 G-./.4H. = BC. 5=BC.- .<G.0 ; BC BC. HC 0 4B= BC. /.< <40 >=BC ; .-. 0-=; 4.0 ; BC BC. =BC.-/"9 C. /<H-.0 .5> .5/ ; .-. -.H=K.-.0 : </ BC.@ ; .-.

9 =- < E .- <HH=E4B = B .=K.-BC-=; = BC. < < <B C 5=4=/.L / .. K= G

ME B.' H.-B< 4' B=' >.' ' BC.' C /B=-@' = ' <G<4' ; .-.' </' ; .' L4= ; 4' 4' E-=G.' </' BC<B' = ') -. .H.' <40' =4 .'' BC.' C 5=&' 4=/.L' ; <B.-/' ; =E 0' G.-C<G/' >.H=5.' </' H. .>-<B.0'' <40' =-' BC.' /<5.' H<E/.'' </' BC=/.' = ' @-<HE/.' <40' HB E5

@' P ' G ' BC.' 6 ' ; </' <A< 4' <B' <40' B=' -.H. K.' E/'' <40' ; .' ; .-.' /==4& G</// 4A' < =4A' BC.' ; ./B.-4' >-<4HC' = ' BC.' /B-< B/'' =4' <' =K. @' < B.-4==4'' =>/.-K 4A' BC.' 0 BB .' /C- 4./' <40' B.5G ./' ; C HC' <-.' B=' >.' /..4' 4' G HBE-./ME.' G <H./' < =4A' BC.' /C=-.' =GG=/ B.' B=' C 5=4=/.L (' <40' >.@=40'' =4' >=BC' /C=-./'' <40' EG' BC.' ; ==0.0' C / 0./'' BC.' >.<H=4/' ; C HC' </// /B' 4' 5<K 4A' BC.' HC<44.'' <40' ; C HC' H<--@' /5< ' ACB/' <B' 4 ACB ' % <A./' 4./B .0' 4' .K.-@' /C. B.-.0' ><@'' ; BC' BC. -' G HBE-./ME.' JE4L/' <40' >=<B/' H E/B.-.0' 4' -=4B' = ' BC.5(<40' </' ; .' A=B' -=E40' =4' BC.' ; ./B.-4' / 0.' = ' BC.' <40'' ; C.-.' BC.' /C G&HC<44.' HE-K./' < ; <@' 4=-BC ; <-0/'' ; .' H<5.' EG=4' BC.' >-=<0' /C 4 4A' /E- <H.' = ' BC.' /5==BC' /.<'' BC<B' 0=E>BI ./' =K.-/G-.<0' 5<4@' <' =4H.' >.<EB E ' <40/H<G.'' = ' ; C HC' =4 @' BC.' 5=E4B< 4&B=G/'' 4' BC.' =-5' = ' / <40/'' <-.' 4= ; ' K / > .' EB' .K.4' </' ; .' ==L.0' =K.-' BC /' /5==BC' /.<'' /C 4 4A' ; BC' 5=-.' BC<4' -< 4>= ; ' G-=5 /.' = ' <' H< 5' G<//<A.' -=E40' B=' <A</<L '' ; C BC.-' ; .' 4= ; ' ; .-.' >=E40'' <' >-..?.' >.A<4' B=' /B -' BC.' 0 /I B<4B' /E- <H.' <40' B-<K.' B= ; <-0/' E/ ' H<-H. @' C<0' B' -.<HC.0' E/'>. =-.' BC /' >-..?.' A=B' >-=L.4' 4B=' AE/B/'' ; C HC' /.G<-<B. @' /5=B.' BC.' /.<'' <40' 5<0.' B' =<5' ; C.-.K.-' BC.@' /B-EHL' B ' .<4 ; C .' BC.' <B5=/GC.-.' >.A<4' B=' BC HL.4'' BC.' 5 /B/' B=' A<BC.-' 4B=' H =E0/'' <40' BC.' H =E0/' B=' H E/B.-' 4B=' /B=-5@' 5</.(' <40' >. =-.' ; .' C<0' B<L.4' BC.' ACBC=E/.' G<//.4A.-/' =4' >=<-0' <B' EB/E-.' D#=LE-.4F' B' ; </' =>K =E/' BC<B' ; .' ; .-.' 4' =-' <' -=EAC /C' 4 ACB' = ' B ' 40' BC /'' ' <5' B= 0'' ; .' C<0(>EB' ' H<4' /<@' 4=BC 4A' = ' B' -=5' G.-/=4<' L4= ; .0A.'' =-' ' ; .4B' .<- @' B=' 5@' /C. '' <40' =4 @' < ; =L.' B=' 40' =E-' /C G' <B' <4HC=-' =4' <' 4.' 5=-4 4A' 4' BC.' =K. @' C<->=E-' = ' <A</<L ' &:/.H=40' B=' 4=4.' G.-C<G/' 4' =K. 4.//' 4' <40 4A'' /=5.' = ' E/' >.H<5.' BC.' AE./B/' = ' <' A.4B .5<4'9 ; . ' <5.0' =-' @.<-/' G</B' 4' <G<4'' <40' ; C=/.' -./ 0.4H.'' G=45<B/' D 4.' $ 4.&B-..' =E/.'' BC.' =4.' G 4.&B-..' A-= ; 4A' EG' BC-=EAC' BC.

-== ' = ' BC .' H=4/ .-K<B=-@' 4B=' BC .' /E4/C 4 .F"' C</' BC .' 4 ./B' K .K,' =>B< 4<> .' 4' BC /' 4 . AC>=E-C==0' = ' 4 .' K . ; / ' /' BC .' A-=E40/' = ' G=4 5 <B/' 4H E0 .' <' < ; 4&B .44 /' A-=E40"' <40' </' <A</<L ' C</' /=5 .' -. 5 <-L<> @' G .</<4B' <0 ./' -. / 0 .4B' 4' B' DBC .' A .4B . C .4' <-.' 0E @' H=5 G 5 .4B .0"' ' C=G."' 4' BC<B' /B<B .I 5 .4B : <B' .</B' BC . -' A==0' B</B .' /' -. H=A4 /. 0F"' ; .' =E40' =E-/ . K./' E40 .-' =-BE4<B .' H=40 B =4/' =-' BC .' =E-' 0<@/"' < ' B==' /C=-B"' ; C HC' ; .' -. 5 < 4 .0' 4' B

E-' -/B' 0<@' 4' <A</<L ' ; </' 4=B<> .' =-' BC .' - 4A' = ' <4' 5 G .- < ' /< EB .' <B' 4==4"' ; BC' =-. A4' 5 .4&= & ; <-' 0-. // .0' 4' <A/' =-' BC .' =HH</ =4"' <40' =4' 4ME -@' ' ; </' 4 =-5 .0' BC<B' BC /' ; </' <' H. .>-<B =4' 4' C=4=E-' = ' BC .' H=-=4<B =4' = ' BC .' -/B' L<0="' 5 5 E& .44="' <40' BC<B' < ' BC .' 5 .4&= & ; <-' = ' <G<4' 4' =BC .-' G=-B/' ; .-.' <B' BC .' /<5 .' B 5 .' /< EB 4A' BC /' 5 G .- < ' <40' 0 K 4 .' G .-/=4<A . ' = ; ' BC .-.' /' <' 0=E>B' <5 =4A' .<-4 .0' 5 .4' ; C .BC .-' 5 5 E& .44=' .K .-' ; </' <' K .- B<> .' 5<4"' <40' G .-C<G/' BC .' 0=E>B' 5<@' C<K .' /=5 .' /=-B' = ' JE/B H<B =4' H=4I / 0 .- 4A' BC<B' C .' /' -. GEB .0' B=' >.' =4 @' BC' 4' 0 ./H .4B' -=5' BC .' /E4&A=00 .//"' BC<B' C /' G<-. 4B/' < ACB .0' -=5' C .<K .4' EG=4' <' 5=E4B< 4' B=G"' <40' BC<B' C .' C 5 /. ' /' /< 0' B=' C<K .' >. .4' AE 0 .0' 4' C /' 4K</ =4' = ' <5</C 4=' >@' <' 0 .5 A=0' 4' BC .' =-5' = ' <' A A<4B H' > <HL' H-=; ' B "' C .' /' / .B' 0=; 4' 4' < ' BC .' = H < ' C /B=- ./' = ' <G<4' 4= ; ' GE> /C .0' </' BC .' -/B' L<0=' /' BC .' 0<B .' = ' BC .' H=5 5 .4H .5 .4B' = ' C /' -. A4' /' A K .4' D77 ' ' <40' </' C /' .NG = B/' <-.' -. H=E4B .0' <B' A-.<B' .4ABC' <40' ; BC' A-.<B' G<-B HE <- B@"' ; .' ; ' 4=B"' C .-.' <B' .</B"' >.' /=' 5 G= B .' </' B=' ME ./B =4' C /' C /B=- H< ' .N /B .4H .' =-' 0 /B 4HB =4 ' EB' B<L 4A' BC ./.' =-' A-<4B .0"' <40' 4 .K .-BC .I .//' -. 5 .5 >.- 4A' BC<B' =-' 5<4@' <A./' G</B' C .' C</' >. .4' 0. .0' <40' ; =-/C GG .0"' B' H .-B< 4 @' ; </' <' BB .' /B<-B 4A' B=' 40' AE4/' BCE40 .- 4A' <B' 5 00<@' 4' <' H=5 5 .-H < ' G=-B' 4' C /' C=4=E-"' <40' =-. A4' ; <-&K .// ./' C= /B 4A' J=@=E/' H= =E-/' 4' /@ 5 G<BC@' ; BC' BC .' H. .>-<B =4

E-' /B<@' = ' =E-' 0<@/' 4' <A</<L ' ; </' 5<0 .' <K< <> .' =-' K / B 4A' BC .' A=K .-4 5 .4B' D <G<4 ./.F' <40' /=5 .' G- K<B .' ./B<>I /C 5 .4B/' BC .-."' <40' < /=' =-' 4/G .HB 4A' BC .' / <40' H=< &5 4 ./' = ' <L</C 5 < ' 4' BC .' <BB .-"' >@' BC .' H=E-B ./@' = ' BC .' G-=I G- .B=-' <40' 5<4<A .-/"' ; .' C<0' <' ENE- =E/' E4HC .=4' < 0' =EB

C= ; .K.-'6 C.-.' 4' BC.' B.NB'6 BC.' K.-@' <-A.' /B=4.' A-<K 4A&'
0=HL'6 =4.' = ' BC.' 4./B' 4' BC.' ; =- 0'6 ; C HC' BC.' <G<4./.'
A=K.-45.4B' <-.' >E 0 4A'6 <40' ; C HC' /' 4= ;' -<G 0 @' <GI
G-=<HC 4A' H=5G .B =4 ' B' <A</<L ' ' C<0' BC.' G .</E-.'
= ' <A< 4' 5..B 4A' BC.' .K ' -' 40-. ; /'6 = ' BC.' CE-HC' =

>@' SB ' ..B' ; 0.' >@' 2 ' ..B' C AC'6 /EGI
G .0' ; BC' B ; =' HEG= </'6 =E-' >-</'
E-4<H./'6 =4.' &'<40' =4.' &B=4'H-<4. '
C.' =-A.' /' P ' ..B' =4A' >@' ' ..B'
; 0.' >@' ' ..B' C AC'6 <40' H=4B< 4/'
/ NB..4' > <HL/5 BC3/' -./'6 =4.' &H ; B '
<40' =4.' 2&B=4' /B.<5' C<55.-'6 ; BC'
/E B<> .' E-4<H.' <40' H <E./ ' C.'
H=GG.-/5 B 3/' /C=G' /' ' ..B' =4A' >@'
2 ' ..B' ; 0.'6 ; B '<' /5< ' A< K<4 / 4A'
/C=G'<BB<HC.0 ' C.' /B=-.'6 ; C H ' /'
2, ' ..B' =4A' >@' 2 ' ..B' ; 0.'6 /' ; . '
/B=HL.0' ; BC' < ' 4.H.//<-@' 5<B.- < /'
C.' = H.'6 A<B.&C=E/./'6 B ; =' <40 4A'
G <H./'6 <40'BC.' /.<& ; < /'<-.'< /=' 4. ;
4'BC.' ; C<-'BC.-.' /'<'G< -'= '/C..-&'
.A/' H<G<> .' = ' B 4A' S ' B=4/ ' 4'
-=4B' = ' BC.' ; C<-'BC.-.' /' <>=EB' '
..B' = ' ; <B.-' <B' = ;' 0.'6 <40' B' H<4'
.</ @'>.' 4H-.</.0' B=' 2 ' ..B' '4.I
H.//<-@' C.' ; =-L/'.5G =@'S, '5.4'
<B' G-./.4B'6 4=B' 4H E0 4A' = H.-/'6
H . L/'6 .BH'6 =-' H=4B-<HB=-/'3 5.4' .5I
G =@.0' =4' 5G-=K.5.4B/' C.' G- 4I
H G<' ; =-L' 0=4.' 4' BC.' <HB=-@' EG'
B=' BC.' G-./.4B' C</' >..4' -.G< -/' B='
/B.<5.-/'6 <B' <4' <K.-<A.'= ' <>=EB' B ; ='
G.-' 5=4BC' BC' -.A<-0' B=' 4. ;'
; =-L'6 0E- 4A' BC.' </B' =E-' @.<-/' <40'
<' C< 'BC.@' C<K.' H=4/B-EHB.0' BC -B@'
5<- 4.'<40' <40' >= .-/'6 =4.' =-' B ; ='
G< -/' = ' /5< ' 5<- 4.' .4A 4./'6 B ; ='
G< -/' = 'C<E 4A' .4A 4./'6 ; BC' GE5G/'6
.BH'6 =-' 5 4./ ' C.@'C<0' 4' .>-E<-@'6
; C.4' ' /< ; ' BC=' ; =-L/'6 =-0.-/' =-' B ; ='
G< -/' = 'C<E 4A' .4A E./'6 =E-' /G.H < '
GE5G/'6 <' G< -' = ' / 5G .' 5< E='
.4A 4./' = ' ' 40 H<B.0' C=-/.&G= ; .-'6
<40' <' G< -' = 'H=5G=E40' = ' ' 40 I
H<B.0' C=-/.&G= ; .-'6 ; BC' >= .-/'6 .BH'
4' H=44.HB =4' ; BC' BC /' 0.G<-B5.4B'
BC.' A=K.-45.E' <-.' H=4/B-EHB 4A' <B
EB4A<5 ' BC=' <-A.' 0-@' 0=HL' 5.4I
B =4.0' 4' BC.'B.NB'6 E40.-'BC.' /EG.-4I
B.40.4H.' = ' -'% 4H.4B' =-.4B'6 ; C='
; </' L 40' .4=EAC' B=' / = ; ' E/' =K.-' B '
C.' 0=HL' ; </' H=55.4H.0' <>=EB'
B ; . K.'@.<-/' <A='6 >EB' K.-@' BB .' ; </'
0=4.'E4B ' -' =-.4B' ; </' .4A<A.0'
B=' H=5G .B.' B' / N' @.<-/' <A=' C.'
0=HL' /' S) ' ..B' =4A' >@' ' ..B'
; 0.'<B'BC.'B=G'6 ; BC' 2 ' ..B'= ' ; <B.-'
=4' BC.' / ' .' H< //=4' ; </' /.4B'
=EB' -=5' 4A <40' 4' G .H./'6 <40' /'
>. 4A' >E B' EG' 4' BC.' 0=HL' C.'
GE5G 4A' 5<HC 4.-@'6 ; C HC' H=4/ /B/'
= ' = -' P& 4H ' H.4B- EA<' GE5G/'
0- K.4'>@' B ; ='C=- ?=4B<'.4A 4./'6 ; </'
5<0.' <B' LE4=E-<' ' ; </' /=--@' B='
/..' BC /' 0=HL' /=' H=5G .B. @' HEB' = '
-=5' BC.' .4A 4..- 4A' ./B<> /C5.4B(
<' >.BB.-' / B.' .N /B.0' H =/.' B=' BC.' <BI
B.-' GG=/ B.'BC.' 0=HL'6 =4' BC.' =BC.-'
/ 0.' = 'BC=' C<->=E-'6 <B' #=/L'6 BC.-.'
/' <' G<B.4B' C<E 4A&EG' / G'6 < /='
>. =4A 4A'B=' BC=' A=K.-45.4B'6 ; C HC'
/'H<G<> .' = 'B<L 4A' =4' K.//. /'= '
B=4/' DA-=//' B=44<4A.F' B' ; </' >E B'
<>=EB' . .K.4' =-' B ; . K.' @.<-/' <A=' >@'
-' ' ') =K.-' = ' <A</<L'6 >EB'
; </' < B.- ; <-0/' >=EACB' =K.-' >@' BC.'
A=K.-45.4B' B' BC.' / G' BC.@' C<0'
=-0.-/' =-' >E 0 4A' B ; =' /5< ' H=</BI
4A' /B.<5.-/' =-' G- K<B.' = ; 4.-/'6 <40'
=4.' <-A=' /B.<5.-' =-' BC.' 5 4 4A'
0.G<-B5.4B' C./.'BC-..'0.G<-B5.4B/'
<-.'E40.-'BC.'H=4B-=' = '=4.'0 -.HB=-'6
-' <B<4<>'6 <40' BC.' C.<0' = H.'
/' <B' LEE=45' .' A=K.-45.4B'
<GG.<-.0' B=' 4 =' B=' C<K.' <' K.-@' K< EI
<> .' @=E4A' = H.-' ' BC.' G.-/=4' = '
' 4' ' B= H'6 B .' /EG.- 4B.40 4A'
.4A 4..-

] $' % 0' ' . 0 B' ' B' A &. P

4A <40' // =4<-@' =H .B@'6 ; C='6 ; BC' -/' 40-. ; /'6 H<5.' =EB' 4' BC.' /<5.' /C G' </' =E-/. K./' -=5' E.?' C.@' ; .-.' A==0' .4=EAC' B=' /C= ;' E/' BC.' BB .' 4. ;' HCE-HC' <40' /HC== /' 4' ; C HC' BC.@' C=G.' B=' <>=E-' =-' @.<-/' B=' H=5.' 4' .0EH<B 4A'6 4' 5=-.' ; <@/' BC<4' =4.'6 /EHC' =' BC.' -./ 0.4B' <G<4./.' <0E B/' <40' HC 0-.4' </' 5<@' >.' ; 4A' B=' -.H. K.' BC. -' 4/B-EHB =4/' <40' 5 4 /B-<B =4/' B' ;=E 0' C.' ; . ' ' 5 // =4<-@' <EBC=- B ./' H=E 0' < ; <@/' =>B< 4' /EHC' /.-K H./' </' BC. -/'6 ; C HC'6 ' .. ' H=4 0.4B'6 ; ' >.' H=40EHB.0' ; BC' <' ; /.' -.A<-0' B=' BC.' .NH.GI B =4<'6 <40' = B.4' B-@ 4A'6 H=40 B =4/' E40.-' ; C HC' BC.@' C<K.' B=' ; =-L' C. -' HCE-HC' >E 0 4A/' <40' -./ 0.4H.' <-.' / BE<B.0' =4' BC.' ; ./B.-4' / 0.' = ' BC.' = 0' ! EBHC' /.BB .5.4B' = ' ! ./C 5<' D ; C.-.' ' <5' < -< 0' BC.' ! EBHC' 0 0' 4=B' < ; <@/' /.B' <' K.-@' C- /B <4' .N<5G .F'6 H=5 5<40 4A' <' >.<EB E' K . ; ' 0= ; 4' BC.' C<->=E-'6 >.B ; ..4' BC.' > ==5 4A' C /' =4' . BC.-' / 0.' = ' B' =-BE4<B. @' $<GG.4C.-A'6 0= ; 4' BC4' /B..G' / 0./' = ' ; C HC' BC.' <G<4./.' C- /B <4/' ; .-.' CE- .0' 4B=' BC.' /.<' >@' BC=E/<40/' B ; =' CE40-.0' <40' B@' @.<-/' <A='6 /' 4=B' ; BC 4' BC. -' C=5.& K . ;'6 <40' ' C=G.' BC.@' ; ' 4=B' -.5.5>.-' B==' = B.4' BC<B' B' ; </' <B' <A</<L' BC<B' C- /B <4/' ; .-.' >. =-.' BC. -' B 5.' H-EH .0' <@' BC.@' <40' BC. -' G-./.4B' ; =-L' G-=/G.-' ` .' .5><-L.0' <B' <A</<L' <B' 5 04 ACB' =4' - 0<@'6 SBC' =' .>-E<-@'6 4' BC.' <) ' 6 * ' =4.' = ' BC.' 4.' /B.<5.-/' = * BC.' <G<4./.' H=5G<4@' L4= ; 4' </' BC.' B/E' /C ' B.<5/C G' =5G<4@' C.' <HH=5 5=0<B =4' 4' BC./.' /B.<5.-/'6 BC.' <-A./B' = ' ; C HC' -E4' >.B ; ..4' =L=C<5<' <40' C<4AC<' BC-=EAC' BC.' 4 <40' .<'6 /' .NH. .4B'6 <40' BC.' /G..0' = ' BC.' < ' 6 * ' ; </' 5=/B' /<B / <HB=-@' ' .<K 4A' BC. C<->=E-' <B' ' =4' BC.' BC'6 ; .' ; .-.' <B' C 5=4=/.L' >@' B ; =' =3H =HL' BC.' = = ; 4A' < B.-4==4'6 <40' <B' #=>.' <B' 4==4' 4.NB' 0<@'6 .<-4 4A'6 </' ; .' G<//.0' =4' B=' BC.' <4HC=-<A.'6 BC<B' BC.' G-=I J.HB 4A' <40' ; C HC' /C. B.-/' BC.' ><@' = =A=' <40' #=>.' /' <-B H < '6 C<K 4A' >..4' =-5.0' / N' CE40-.0' @.<-/' <A=' .' < /=' C<0' <' A==0' =GG=-BE4 B@'6 =4' BC /' >- ACB' 0<@' = ' ; <-5' /E4/C 4.'6 = ' =>/.-K 4A' BC.' =-B H<B =4/' <40' BC.' ACBC=E/.' ==4' < B.-' B ; =' =3H =HL& ; .' ; .-.' 4' <' -< ; <@' B-< 4' *' * ' =-' BC.' <4H .4B' <40' C /B=- H' H</B .0' H B@' = ' /<L< : A-.<B' =-' >=BC' B/' 5 B<-@' <40' B/' H=5 5.-H < ' 5G=-B<4H.

/<L<ˢ /ᶠ=47ᶠ = ˢ BL.ˢ BC-. .ˢ <-A./Bᵖ H B ./ᶠ = ˢ <G<4'ᵉ C<K 4Aˢ <ᶜ G=GE <B =4ˢ = ˢ=K.-ˢ 7 " ˢ G.-/=4/ˢ @ˢ BC.ˢ H=E-B./@ᶠ = ˢ BC.ˢ A=K.-4=-'ᵉ -ˢ <B<4<>.'ᵉ ˢ ;</ᶠ <> .ˢ B=ˢ =>/.-K.ˢ BC.ˢ A-= ; BCˢ = ˢ BC /ᶠ H B@ˢ -=5ˢ B/ˢ =E40<B =4ˢ EGˢ B=ˢ BC.ˢ G-./.4Bᵖ B 5.ˢ 4ˢ <ᶜ /.- ./ᶠ = ˢ 5<G/ˢ ; C HCˢ C<K.ˢ >. .4ˢ G-./.-K.0'ᵉ <40ˢ <B. @ᶠ -.I G-=0EH.0ˢ Bˢ /ᶠ /< 0ˢ B=ˢ C<K.ˢ >. .4ˢ 4.<-ˢ BC.ˢ / B.ˢ = ˢ /<L<ᶜ BC<Bᵖ BC.ˢ -/Bᵖ <40'ᵉ </ᶠ 5<4@ˢ EGG=/.eˢ BC.ˢ 5@BC Hᶠ L<0=ˢ 5 5 E& .44=ˢ <40.0ˢ=4ˢC /ᶠ G-=A-.//ˢ.</B ; <-0'ᵉ <40ˢ 4.<-ˢC.-.ˢ < /=ˢ BC<Bᵖ C.ˢ ;</ᶠ 0. .<B.0ˢ <40ˢ 40EH.0ˢ B=ˢ -.H=4/ 0.-ˢ C /ᶠ GE-G=/./ˢ @ˢ 5.<4/ᶠ = ˢ /E B<> .ˢ H=4/E B<B =4/ᶠ <40ˢ H.-.I 5=4 ./'ᵉ C.ˢ </H.-B< 4.0ˢ BC<Bᵖ BC.ˢ /E4&A=00.//ˢ ;</ᶠ 0 /G .</.0ˢ ; BCˢ C /ᶠ H=4B 4E<ˢ <0K<4H./ᶠ .</B ; <-0'ᵉ 4/B.<0ˢ = ˢ 5=K 4A'ᵉ L.ˢ BC.ˢ /E4'ᵉ BC.ˢ =BC.-ˢ ;<@'ᵉ <40ˢ C.ˢ G-E0.4B @ˢBE-4.0ˢ 4ˢ <ᶜ 0 .-.4Bᵖ 0 -.HB =4ˢ Bˢ ;</ᶠ C.-.ˢ BC<Bᵖ =>E4<A<'ᵉ B= ; <-0/ᶠ BC.ˢ H =/.ˢ = ˢ BC.ˢ / NB..4BCˢ H.4BE-@'ᵉ 4=Bᵖ =4 @ˢ >./ .A.0ˢ C /ᶠ E00C /Bᵖ .4.5 ./ᶠ 4ˢ BC. -ˢ /B-=4A @ˢ 0. .40.0ˢ B.5G .'ᵉ >EBᵖ A<K.ˢ B=ˢ BC.ˢ / ; =-0ˢ /=5.ˢ BC=E/<40/ᶠ = ˢ G.=G .'ᵉ = ˢ >=BCˢ /.N./ᶠ <40ˢ < ˢ <A./'ᵉ <40ˢ /.4Bᵖ <ᶜ >=<B =<0ˢ = ˢ BC. -ˢ .<-/ᶠ <40ˢ 4=/./ᶠ </ᶠ<ᶜ H<EB =4ˢ B=ˢ BC.ˢ -.5< 4 4Aˢ 0. .40.-/'ᵉ ; C=ˢ E B 5<B. @ˢ A<K.ˢ ; <@ˢ B=ˢ C 5ˢ ' G=4ˢ BC.ˢ 5G-=K.5.4Bᵖ = ˢ BC /ᶠ H B@'ᵉ </ᶠ EG=4ˢ ZBC<Bᵖ = ˢ # =B='ᵉ BC.ˢ A-.<Bᵖ < L=ˢ D 0.@=/C Fᶜ < B.- ; <-0/ᶠ /.Bᵖ B=ˢ ; =-L'ᵉ 0..G.4 4Aˢ BC.ˢ - K.-'ᵉ 0 AA 4Aˢ H<4< /'ᵉ <40ˢ >E 0 4Aˢ BC.ˢ * 5 5.4/.ˢ H</B .ˢ ; C HCˢ C</ᶠ =4Aˢ >. .4ˢ /=ˢ <5=E/'ᵉ <40ˢ BC.ˢ /B-.4ABC.4 4Aˢ = ˢ ; C HCˢ /ᶠ /< 0ˢ B=ˢ C<K.ˢ .4A<A.0ˢ C /ᶠ </Bᵖ BC=EACB/ˢ ˢj Bˢ ;</ᶠ 4ˢ BC /ᶠ H</B .ˢ BC<Bᵖ @.@</E'ᵉ BC.ˢ -/Bᵖ = ˢ BC.ˢ =LEA< ; <ᶜ C=AE4/'ᵉ >./ .A.0ˢ BC.ˢ < L=3ᶠ /=4'ᵉ 0.@=-'ᵉ 4ˢ BC.ˢ @.<-ˢ 7 'ᵉ >E-4 4Aˢ BC.ˢ H B<0.'ᵉ <409ᶠ/ <@ 4Aˢ 0.@=-ˢ <40ˢ BC=E/<40/ᶠ = ˢ C /ᶠ /EGG=-B.-/ˢ Bˢ ;</ᶠ -=5ˢ /<L<'ᵉ 4ˢ <4E<-@ˢ 7 'ᵉ BC<Bᵖ BC.ˢ </Bᵖ @H==4'ᵉ #. L 'ᵉ /B<-B.0ˢ =-ˢ BC.ˢ A-.<Bᵖ ><BB ./ˢ 4.<-ˢ # =B=ˢ ; C HCˢ 0.B.-5 4.0ˢ BC.ˢ <B.ˢ = ˢ BC.ˢ .5G -.ˢ <40ˢ </E-.0ˢB=ˢ <G<4ˢ B/ˢG-./.4Bᵖ =-5ˢ = ˢA=K.-45.4B'ᵉ <40ˢ Bˢ ;</ᶠ B=ˢ /<L<ᶜ </B .ˢ BC<Bᵖ C /ᶠ >.<B.4ˢ <40ˢ /C<BB.-.0ˢ <-5@ˢ -.B-.<B.0ˢ =-ˢ 0.<-ˢ .'ᵉ =4 @'ᵉ C= ; .K.-'ᵉ B=ˢ >E-4ˢ B/ˢ H B<0.ˢ <40ˢB=ˢ 4< @ˢ ..ˢ -=5ˢ Bˢ >. =-.ˢ BC.ˢ K HB=- =E/ˢ =-H./ᶠ = ˢ BC.ˢ L<0=

A Falcon.

Engraved for this Work by a Japanese Engraver.

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5

. . -10 ((0*1 (7 *::6 / - -;*2 - :+-7' 0* 3 .* -: *1*.(/6 0 %'*)* / -(-/-=E /% '* 7;- 2*/ *+')* (0*1 (7 < A% (0* (*3 .:* &2* & *2 *3 .* ' / (0* 0 /((*3 .:* / -/1 */(9%220 '((*3 .:* *3 / '1*/1*' &$ /1* 0 (8%6(- '0 0* (*3 .:* &(0* '*-6; 2' 3%' 1-: '*) 1* (0* * / . *0 '(1 = -( ) /*5*+*:'"# ! # 3 , - . - / *'* &- 0*1-'(:* & '-8- (' 3 2* / - '*/-: 3 3*/'* 3 / : (0' 1* : / ; & - +' ; :2*2 & 0*1-'(:*8**. / '.*1(/' &=- -18' (%2 %' ' :2 * ' .)-(* , - . - / *'* 2 / / * . %=: 1 2 / / * , - . - / *'* 3 %' 1 - /2 2-/1*' ' '.**10 =7 (0* $ *' 2*/(& (0* #0-3=* & # 3 3* 1* 6 . *((7 1 3 .: 3*/(-3-(1 55* & 3-/1*' .% 10-' /;*>.*2 (/ 0* . +* & - ($ *'*/(' 0* 3 .* -: 3 /(0* /*+1 /-;* %(.%(&(0* 3 /(

.<K 4A #=>.' <40 >. =-. H=5 4A 4 K . ; = /<L<' BC. 4. AC>=E-C==0 = <A-.<B H=5 5 .-H < H B@; </ 5<0. 5<4 ./B >@ BC. G-./.4H. =4 BC. 0 /B<4B ><@ = -=5 B ; = B=' BC-.. CE40-.0 JE4L/ = < / ?./' 4H E0 4A 5<4@ = =>K =E/ @ /.<&A= 4A HC<-<HB.- C. 0 /B- HB BC-=EAC ; C HC BC. B-< 4 >=-. E/ ; </ 4= .//' / A4 H<4B = <A- HE BE-< <HB K B@' =- < BC=EAC 5EHC = BC. <40 ; </ >EB G==-' H=4/ /B 4A 40..0 = BB . 5=-. BC<4 /<40 ; </C.0 -.. @ 0= ; 4 -=5 BC. 4. AC>=E- 4A C /' @.B .K.-@ ==B = B ; </ H<-. E @ HE B I K<B.0' <40 BC. -=<0 / ; <-5.0 ; BC K <A./ . G<//.0 BC-=EAC /.K.-< B.<&G <4B<B =4/ =4 =E- ; <@' <40 ; . ; .-. 4 =-5.0 BC<B BC. 0 /B- HB / < 4=B<> . =4. =- BC. 0 /I B <B =4 = BC. >./B 0./H- G*J=4 " BC. 4<B K. ; 4. B ; </ < =K. @ /E44@ < B.- * E& ; . -= .0 BC-=EAC BC / <40 = 40E/B-@ <40 G.<HH * ** K</ ; BC G .</E-. BC<B ; . G-./.4B @ /< ; BC. C A H</B . ; < / = /<L<

/C 4.' >- ACB @' =-BC ' 4' BC /' /C=-B' -< ;<@' J=E-4.@'6 <40' =4' =E-' <-- K<' <B' BC.' /<L<' /B<B =4'6 ;.' C<0' -.4.;.O' .K 0.4H./' =' BC.' . H .4B' >E/ 4.//& L.' 5<44.-' 4' ;C HC' BC.' <G<4./.' C<K.' B<L.4' B=' -< ;<@' 5<4<A.5.4B'6 <40' L.I ;/.' B=' BC.' 4A /C' G= H.' /@/B.5'6 4=BC 4A'>. 4A';<4B 4A' B=' BC.' =-0.-@' <40' -<G 0' 0./G<BHC' = ' B-< 4/' <40' G</1.4A.-/'6 <40' BC.' /B<B =4/' >. 4A' /EHC' </' ;=E 0' 5G-=K.' BC.' H-.0 B' = ' 5<4@' 4A /C' B= ;4/' 'B-<4/ .--.0' B=' BC.5

' G=4' BC.' C<4L' = ' BC.' 5< 4' - K.-'6 <40' <B' 4=' A-.<B' 0 /B<4H.' -=5' BC.' <5=E/' H</B ."6 <-.' BC.' E-=G.<4' >E 0 4A/' = ' BC.' A-.<B' A=K.-45.4B' 5 4B'6 4H E0 4A' <' C<40/=5.' -./0.4H.' L4=;4' </' BC.' 5G.-<' -.H.GB =4' C=E/.'6 ;C HC' =4' =4.' =-' B;=' =HH</ =4/' C</' <HH=55=0<B.0' BC.' .5G.-=-' 0E- 4A' C /' K / B/"9' <40' /' <K< <> .'6 =-' BC.' A.4.-<' E/.' = ' BC.' /B<B.' C.-.' 4=B' >. 4A' @.B' <' E-=G.<4' C=B.' 4' /<L< : <B' .</B' ;.' /<;' <40' C.<-0' = ' 4=4. : ;.' ;.-.' H=E-B.=E/ @' -.H. K.0' 4' BC /' = H<' C=E/."6 <' 0 /B 4HB =4' 0=E>B .//' 0E.' B=' =E-' </1=H <B =4' ; BC' C /' .NH. .4H@' BC.' 5 4 /B.-' = ' 5<- 4.' .-.' ;.-.' =E-' C.<0ME<-B.-/' =-' 5=-.' BC<4' <' ;..L'6 0E- 4A' ;C HC'6 C=;.K.-'6 ;.' 5<0.' =E-' .NHE-/ =4' B=' BC.' <4H .4B' H<G B<' = ' <-<'6 <40' ;.-.' >./0./' /=' C=/G B<> @' B-.<B.0' >@' BC.' A=K.-4=-'6 BC.' 5 B<-@' <EBC=-B./'6 <40' BC.' .<0 4A' 5.-HC<4B/' = ' BC.' H B@'6 BC<B' ;.' /.0=5' =E40' =E-/.K./' ; BC 4' BC.' ;< /' = ' =E-' -./0.4H.' /<K.' <B' 4 ACB

C.' 0<@' /EHH..0 4A' =E-' <-- K ' ;</' /G.4B' 4' H=5G<4@' = ' BC.' A=K.-4=-'6 -' <B<4<>."6 ;C='6 L.' BC.' A=K.-4=-/' = ' # =B=' <40' =L ='6 C= 0/' C /' <GG= 4B5.4B' -=5' BC.' H-=;4' C.' L 404.//' = ' BC /' A.4B .5<4' B=' E/' ;</' .ME<' B=' BC.' C AC' -.GEB<B =4' ;C HC' C.'>.<-/'6 <40' C.' /' <' 5<4' ;C=' C</' -.40.-.0

9 Q' <' 5G=-E' 5<J./B@' BC.' B =' L<0=F' 4' 'BC.' BC' C /' =44.' K / B.0' <5<B=' G-=K 4H."6 B=' 5<J./B@' H=40./H.40.O' B=' 4/G.HB' BC.' = .-' G.-/=4<' ;=-/C G' B=' 55E' ."6 5 4B'6 <40' >.=-.' -.B - 4A' =-0.-.O' =4' BC.' /.H=40' 5=4BC' = ' BC /' @.<-'6 G-./.4B/' B=' >.' 5<0.' B=' B .' = H</'6 ,,'6 <40' =4' C /' -.BE-4' -=5' B E B' =-. A4' <40' <G<4./.'6 <HH=-0 4A' B=' G-=K 4H.' C /' 5<J./B@' 5<0.' <' /C=-B' BC. -' -<4L/' 4' ':K!$' '# (!7' /B<@' <B' /<L<'6 <40' =4' B .' =E-B..4'* * '!$' ' . B' BC.' W 4?< / ='3 H<@ = ' BC.' /.H=40' 5=4BC'6 BC.' .5J'6 D .5GELE;<4F' <B' L G;' - ' $' LE;<4' D 5G.-<' -.H.GB =4' =4W H E-4.O' B=' <L.' D# =B=F' >@' B-< 4 R' = ' BC.' 5 4B' ;</' H=4K.-B.O' 4B=' C' W /(' *. (F W 4?< /C='3 DB.5J=-E-@' -=/0.EH=

H $' @ 0 ' . >')' & P

/ A4<' /.-K H.' B=' BC.' /B<B.' ./ 0./' C<40/=5.' G-./.4B/'
.NC > B 4A' BC.' G-=0EHB =4/' =' BC.' H B@' 4' <-B H <' =; .-/'
<40' =BC.-' /G.H < B ./' C.' =4' =4.' =HH</ =4' B==L' 5.' 4B=' BC.'
/; =-0' -==5' =' C /' -./ 0.4H.' <40' C<0.' 5.' HC==/.' -=5'
<5=4A' <B' .</B' <' /H=-.' =' / ; =-0/' 5=/B' =' ; C HC' C<0' <//=H <I
B =4/' BC<B' A<K.' BC.5' /G.H <' K< E.' B=' C 5' <4@' =4.' ' G-.I
.--.0' /' G= B. @' </' ' H=E 0' ' 0.H 4.0' BC.' G- K .A.' >EB'
=4' A.BB 4A' C<HL' B=' # =B=' <' .;' ; ..L/' < B.-; <-0/' ' =E40'
<; < B 4A' 5.' </' <' G-./.4B' -=5' C 5' <' /G .40 0' /; =-0' >@' =4.'
=' BC.' -/B 5<L.-/' =/C L<A.' =' ?.4' K< E.0' 4' BC.'
= H <' H.-B H<B.' BC<B' <HH=5G<4 .0' B' <B' =4.' CE40-.0' <40'
BC -B@' G .H./' =' A= 0' ' 5.4B =4' BC /' </' <4' E/B-<B =4' =' '
BC.' BC=-=EAC4.//' =' BC.' A.4.-=E/' <BB.4B =4/' ; C HC' ; .-.'
/C=; 4' B=' E/' .K.4' 4' BC.' G-=K 4H./' <40' <-' -=5' BC.'
H<G B<

C.' -/B' G <H.' B=' ; C HC' BC.' A=K.-4=-' H=40EHB.0' E/'
;</' <' <5=E/' 4E-/.-@' A<-0.4' <40' B.<&C=E/.' ; C.-.' ;.' /<;'
B=' BC.' >./B' <0K<4B<A.' G=// > .' <B' BC.' /.</=4' =' BC.' @.<-'
D .>-E<-@' ,F' BC.' HC<-<HB.- /B H' G <4B/' =' <G<4 : 5 4 <BE-.'
.K.-A-..4/' > =//=5 4A' 5 4 <BE-.' G E5' /C-E>/' 5 4 <BE-.'
G 4.&B-../' /5< ' /<A.' G< 5/' /5< '-.0&>.--@' G <4B/' 0-==G 4A'
/C-E>/' A-=; 4' 4' G=B/' C 4./.' <40' <G<4./.' ><5>==&G <4B/'
HE- =E/' A-<//./' <40' .-4/' H<5. </' <40' H<5. <' H-..G.-/'
G <4B/' HE- =E/ @' A-=; 4' 4B=' H -HE <-' <40' /.-G.4B 4.' =-5/'
/B-<4A.' H<HB' .BH' % / B 4A' <' /5< ' B=; .-' ; .' A< 4.0' <'
/G .40 0' K .;' =K.-' BC.' H B@ : BC<B' H B@' BC.' -.<0.-' 5<@'
-.5.5>.-' =K.-' ; C HC' BC.' <4H .4B' .5G.-=-' 4B=LE' ==L.0'
; C.4' C.' -.< /.0' BC.' 0 /B-.//' =' C /' G.=G .' <40' BC.' -.K K< '
=' ; C HC' C.' -.A<-0.0' </' .K 0.4H.' =' C /' =; 4' G-=/G.- B@'
/<L' ; </' 4=B' BC.4' C=; .K.-' </' B' 4=;' /' <' H B@' =' 4.<- @'
=4.' CE40-.0' BC=E/<40' C=E/./' <40' 5=-.' BC<4' BC-..' CE40-.0'
BC=E/<40' G.=JF .' 4.A .HB 4A' /E>E->/' <40' BC.' B=; 4/' BC<B' < '
>EB' <0J= 4' B' B' <' <B.-' G.- =0' =' BC.' 0<@' ; .' </H.40.0' BC.'
/G=B' =4' ; C HC' 4B=LE' /B==0' EG=4' ; C HC' <' B.5G .' 4=;'
/B<40/' ; C.-.' C.' /' ; =-/C GG.0' <40' -=5' ; C HC' BC.' K .;'
=K.-' BC.' H B@' <40' G < 4/' >.@=40' /' /EG.->' 4B=LE' -. A4.0'
B..4' H.4BE- ./' <40' <' C< '<A=' <40' ' ; </' /C=; 4' <' G <4' = '
BC.' H B@' <B' BC<B' G.- =0! >.@=40' <' .;' B.5G ./' BC.-.' ; </' >EB

BB .7 H B@7 B=7 /G.<L7 = 7 47 <7 5<G7 5<07 /.K.47 CE40-.07 B=7 . ACB7 CE40-.07 @.<-/7 <A="6 ; C HC7 < /=7 ; .7 /< ;"6 K.//. /7 ; .-.7 /C= ; 47 =<B 4A7 ; C.-.7BC.7H.4B-.7 = 7 BC.7 H B@7 4= ;7 /7 -=57 BC.7 . .K<B =47 = 7 ; C HC7 7 C<K.7 /G=L.47 BC.7 %.4.B <47 HC<-<HB.-7 = 7BC.7 5=0.-47 H B@7 ; </7 K.-@7 K / > ."6 >EB7 4=B7 /=7 5<4 ./B7 </7 =4.7 /../7 B7 B=7 >.7 =4"0- K 4A7 <>=EB7 BC.7 /B-..B/7 B7 /7 .K.-@I ; C.-.7 4B.-/.HB.07 ; BC7 - K.-/7 <407 H<4< /"6 /G<44.07 >@7 44EI 5.-<> .7 >- 0A./"6 <407 < K.7 ; BC7 H=E4B .//7 K.//. /7 <407 >=<B/7 A 0 4A7 C BC.-7 <407 BC BC.-

C.7 -/B7 B.5G .7 K / B.0 : BC<B7 JE/B7 >. =-.7 -. .--.07 B= :7 ; </7 BC.7 C 4B=7 B.5G .7 = 7 #=?E"6 ; C.-.7 /.K.-<7 A=0/7 K $ 7 <-.7 ; =-/C GG.0"6 <407 BC -B@7 / N7 G=.B/7 <-.7 H. .>-<B.07 C.7 HC .7 < $7 <-.7 BC.7 .5G.-=-/7 4B=LE"6 CE< "6 J 4"6 4AE7 D.5G-.//F"6 <407 HC E"6 BC. -7 ; =-/C G7 H=55.4H 4A7 <7 BC=E/<407 @.<-/7 <A="6 47 BC.7 -. A47 = 7 . ; <& .44=

C.7 4.NB7 B.5G .7 K / B.07 ; </7 L. ; /.7 = 7 BC.7 C 4B=7 B@G."6 <407 L4= ; 47 </7 BC<B7 = 7 LE0<5<7 D 47 A</C 7 4<- 7 A=- F7 C.7 A=0/7 ; =-/C GG.07 C.-.7 <-.7 B ; =7 47 4E5>.-"6 K ?7 7 LELE47 0<5<(<407 27 <-ELE47 0<5<7 C./.7 A=0/7 ; .-.7 -/B7 <0=-.07 47 BC.7 =-B@&4 4BC7 @.<-7 = 7 55E& .44=3/7 -. A4"6 <407 C<K.7 BC.-. =-.7 >..47 ; =-/C GG.07 =-7 4.<- @7 B ; .4B@& K.7 H.4I BE- ./7 C /7 B.5G .7 /7 < /=7 K.-@7 <4H .4B"6 C<K 4A7 >..47 =- A 4< @7 =E40.07 =47 ; C<B7 /7 4= ;7 BC.7 / B.7 = 7 BC.7 H</B ."6 47 BC.7 BC -07 @.<-7 = 7 BC.7 -. A47 = 7 J 4& .44=7 D2,P7 , + 7 <407 /E>/.ME.4B @7 -.5=K.07 B=7 B/7 G-./.4B7 / B.7 47 BC.7 @.<-7 7 B7 BC /7 B.5G .7 < /=7 ; .7 ; .-.7 5.B7 >@7 BC.7 G- ./B/"6 ; C=7 B==L7 A-.<B7 4B.-./B7 47 =E-7 K / B"6 <407 .NG < 4.07 BC.7 E/./"6 =-7 -<BC.-7 /.-K H./"6 = 7 BC.7 # 7 <407 Q7 5 --=-7 R7 B=7 E/

.7 ; .-.7 4.NB7 H=40EHB.07 B=7 BC.7 <4H .4B7 <407 H. .>-<B.07 E00C /B7 B.5G .7 = 7 #=-EJ="6 47 .44=J 7 C /7 B.5G .7 ; </7 =E40.07 47 BC.7 K.-@7 .<- @7 0<@/7 = 7 E00C /5"6 <B7 BC.7 -.ME./B7 = 7 BC.7 <5=E/7 G- 4H.7 C=B=LE&B< /C "6 = 7 ; C=57 7 C<K.7 ; - BB.47 5EHC7 47 =-5.-7 HC<GB.-/7 B7 ; </7 /=7 =E40.07 "6 47 BC.7 @.<-7 7 "7 >EB7 ; </7 -.5=K.07 B=7 B/7 G-./.4B7 / B.7 B.47 @.<-/7 <B.-7 B7 C</7 .N /B.0"6 BC.-. =-."6 =-7 4.<- @7 BC -B..47 CE40-.07 @.<-/"6 <407 4H E0./7 <5=4A7 B/7 B-.</E-./"6 ; C HC7 ; .-.7 => A 4A @7 /C= ; 47 B=7 E/"6 /.K.-<7 /<H-.07 >==L/7 >-=EACB7 =K.-7 -=57 #=-.<7 47 BC=/.7 .<- @7 0<@/(<47 <--= ;7 C/.07 47 BC.7 /B-EAA .7 <A< 4/B

E00C /5' (C=B=LE&B< /C 3f / ; =-0(<' C /B=-@' = ' BC.' =E40<I B =4' = ' BC.' B.5G .' ; - BB.4' >@' C 5'f <40' >.<- 4A' BC.' 5G-.//' = ' C /' C<40(C /' 5<A.' = ' E00C<(<' H.-.5=4 <' A= ; 4' = ' C /(<' 5<4E/H- GB' /.K.4B..4' CE40-.0' @.<-/' = 0' (<4' 5<A.' = ' # ; <44=4' BC -B..4' CE40-.0' @.<-/' = 0(<' >-<//' A =>.' =4.' BC=E/<40' @.<-/' = 0' (<40' /.K.-<' =BC.-' 4B.-./B 4A' <4B ME B ./' 4.' 4..0' C<-0 @' /<@' BC<B' BC /' B.5G .' <40' B/' 5.5=- < /' H=K.-' < 5=/B' BC.' .4B -.'G.- =0' = ' BC.' .N /B.4H.' = ' BC.'-. A =4' = ' E00C<' 4' <G<4 ' ' HE- =E/' /HC= <-'f .<-4.0' 4' E0I 0C /B H' <40' <G<4./.' B.-<BE-.'f 5 ACB' G=// > @' 0-< ;' /=5.' 4B.-./B 4A' G<-< . /' >.B ; ..4' BC.' 40 <4' G- 4H.' 0<--BC<' D E00C<F' <40' C /' <-0.4B' <G<4./.' 0 /H G .' $- 4H.' @=B=' D C=B=LEF

C.' </B' B.5G .' K / B.0' BC /' 0<@' ;</' BC.' 5=/B' <5=E/' <5=4A' 5<- 4.-/' 4' < ' <G<4 : BC<B' = ' E5 @=/C ' D 4' /C 4<- ' =- ' .B/EF ' B' /' <' C 4B=' B.5G .'f <40' ; .' ; .-.' 5.B' <B' BC.' .4B-<4H.' >@' BC.' G- ./B/'f 4' 5<EK.' 0-.//./' ; BC' > <HL' H<G/' =E-' A=0/' <-.' ; =-/C GG.0' C.-. ' B' /' <' K.-@' <4H .4B' B.5G .'f 0<B 4A' -=5' BC.' . .K.4BC' @.<-' = ' BC.' -. A4' = ' BC.' ; <-- =-&' .5G-.// 4AE' #=A=' D2 2' 'F'f B=' ; C=5' B' /' 0.0 H<B.0' </' BC.' G<B-=4' $' = ' < ' ; C=' B-<K. ' >@' /.<' B'f BC.-. =-.'f C</' .N /B.0' =-' 4.<- @' /.K.4B..4' H.4BE- ./' C.' BC-..' A=0/' = ' BC.' B.5G .' ; .-.' -/B' ; =-/C GG.0' 4' BC.' -/B' -. A4' = ' BC<B' .5G-.// ' C.@' <-. :

' =L=&B/EB/E'f) =0' = ' BC.' .<' =BB=5
2' <L<&B/EB/E'f) =0' = ' BC.' 00 .' .<
P' ' ; <&B/EB/E'f) =0' = ' BC.' .<' E- <H.'f <40' <K.' =4I B-= .-

/' <' =E-BC'f BC.' .5G-.//' 4AE' /' C.-/. ' C.-.' ; =-/C GG.0' E40.-' C.-' = ; 4' 4<5 .' = ' L &4<A<& <-</C &C 5.' C.' G- ./B/' H=E 0' 4=B' B. ' 5.' ; C.4' /C.' ; </' -/B' ; =-/C GG.0 ' C.' 4<5.' = ' BC.' B.5G .'f E5 @=/C 'f / A4 ./' =-BE4<B.' ./ 0.4H.' = ' BC.' =E-' 4H=-G=-<B.0') =0/ ' C /' /' BC.' <5=E/' B.5J .' -. .--.0' B=' 4' BC.' HC<GB.-' =4' BC.' C 4B=' -. A =4' </' BC<B' = ' BC.' A=0' ; C=5' BC.' = 0' .N&A=K.-4=-' = ' =/< K< 4 @' /=EACB' B=' G-=I G B <B.' <' BC=E/<40' @.<-/' <A=' >@' BC-= ; 4A' * ' 4B=' BC.' /.<'f >EB' ; C=' ; </' =4 @' <GG.</.0' >@' BC.' /<H- H.' = ' C /' .NH. .4H@3/

5 --=-ˢ B/ˢ G-./.4Bˢ </G.HBˢ /ˢ <ˢ K.-@ˢ G-=/G.-=E/ˢ =4.'ᶠ BC.ˢ B.5G .ˢ B/. ˢC<K 4Aˢ >..4ˢ <B. @ˢ-.>E Bˢ <GG<-.4B @'ᶠ <40ˢ B/ˢ G-.H 4HB/ˢ <0=-4.0ˢ ; BCˢ 5<A4 H.4Bˢ <4B.-4/ˢ 4ˢ>-=4?.ˢ <40ˢ 5<-> .'ᶠ ; BCˢ <ˢ <-A.ˢ 4E5>.-ˢ =ˢ=BC.-/ˢ =ˢ 4 .- =-ˢ 5<A4 BE0.ˢ <40ˢ HC<-<HB.-'ᶠ >EBˢ 5<4@ˢ =ˢ BC.5ˢ K.-@ˢ 4.ˢ 40..0ˢ C.ˢ K.//. /ˢ =ˢ ˢ G-./.4B.0ˢ B=ˢ BC.ˢ A=0/ˢ <Bˢ BC.ˢ /C-4.ˢ ; .-.ˢ -.. @ˢ /.-K.0'ᶠ <40ˢ H.-B< 4 @ˢ Bˢ ;</ˢ 4=Bˢ BC.ˢ <E Bˢ =ˢ BC.ˢ <G<4./.ˢ=-ˢ=ˢ BC. -ˢ G- ./B/ˢ ˢ BC.ˢ >=BB=5'ᶠ BC.ˢ 5 00 .'ᶠ <40ˢ BC.ˢ /E- <H.ˢ =ˢBC.ˢ /.<ˢ ; .-.ˢ4=Bˢ < ˢ </ˢ G.<H. Eˢ</ˢ BC.ˢ /=Eˢ =ˢ BC.ˢK.- ./Bˢ <40/5<4ˢ H=E 0ˢ G=// > @ˢ0./ -.ˢ =Bˢ=4 @ˢ ; .-.ˢ BC.ˢB.5G .ˢ<40ˢ B/ˢ<HH.//=- ./ˢ /EHCˢ </ˢ ˢ C<K.ˢ0./H- >.0'ᶠ >EBˢ B=ˢ<00ˢ B=ˢ BC.ˢ 4B.-./Bˢ<40ˢ 5G-.// K.4.//ˢ=ˢ BC.ˢ G <H.'ᶠ BC.ˢ C.<0ˢG- ./Bˢ ;</ˢ /=ˢ H=E-B.= /ˢ </ˢ B=ˢ C<K.ˢ <ˢ 5E/ H<ˢ /.-K H.ˢ G.- =-5.0ˢ >. =-.ˢ E/ˢ >@ˢ BC.ˢ 5 4 /B.-/'ᶠ BC.ˢ5E/ H <4/'ᶠ <40ˢ BC.ˢK -A 4ˢG- ./B.//./ˢ=ˢ BC.ˢ B.5G .ˢ C /ˢ B==Lˢ G <H.'ᶠ 4=Bˢ 4ˢ BC.ˢ 5< 4ˢ >E 0 4A'ᶠ >EBˢ 4ˢ <ˢ /.G<-<B.ˢ <40ˢ /5< .-ˢ =4.'ᶠ CE4Aˢ ; BCˢK=B K.ˢG HBE-./ˢ C.ˢ<--<4A.5 .4B/ˢ <-*0ˢG-=H..0I 4A/ˢ ; .-.ˢ/=ˢ5EHCˢ L.ˢBC=/.ˢ ; C HCˢ ; .ˢ< B.- ; <-0/ˢ ; B4.//.0ˢ <Bˢ BC.ˢ/B ˢ 5=-.ˢ /<H-.0ˢ /C-4./ˢ=ˢ /.ˢBC<Bˢ ˢ4..0ˢ 4=Bˢ C.-.ˢ <BB.5GBˢ<4@ˢ0./H- GB =4

-=5ˢ BC.ˢB.5G ./ˢ ; .ˢB==Lˢ <ˢ /B-= ˢB=ˢBC.ˢ - K.-&/ 0.'ᶠ =K.-ˢ =4.ˢ=ˢ BC.ˢ /B..G @&HE-K.0ˢ >- 0A./ˢBC<Bˢ .;ˢ>EBˢ .NG.-B/ˢ H<4ˢ /E-5=E4B'ᶠ <40ˢ BC.4H.ˢ ; .-.ˢ B<L.4ˢ <ˢ =4Aˢ <40ˢ / ; Bˢ -E4ˢ 4ˢ ˢ) ˢB=ˢBC.ˢ5E/.E5 =ˢ /<L<'ᶠ <ˢ/5< ˢ 4/B BEB =4'ᶠ 5=0. .0ˢ EG=4ˢ BC.ˢ E-=G.<4ˢ B@G.ˢ 5=4Aˢ BC.ˢ 5<4@ˢ 4I B.-./B 4Aˢ <4B ME B ./ˢ BC.-.ˢ /..4ˢ ;</ˢ =4.ˢ=ˢ <ˢ -.5<-L<> .ˢ HC<-<HB.-ˢ C /ˢ ;</ˢ <ˢ K.-@ˢ<4H .4Bˢ >=<B'ᶠ ; -=EACBˢ =EBˢ =ˢ /= 0ˢB 5>.-'ᶠ <40ˢ0EAˢ EGˢ -=5ˢ<ˢ0.GBCˢ=ˢ P ˢ ..Bˢ>. =;ˢBC.ˢ G-./.4Bˢ .K.ˢ =ˢ BC.ˢ/= ˢ =ˢ BC.ˢH B@ˢ C.ˢG=-B =4ˢ =ˢ BC /ˢ >=<Bˢ ; C HCˢ ; </ˢ -.H=K.-.0ˢ ;</ˢ P7ˢ ..Bˢ =4Aˢ <40ˢ ˢ ..Bˢ >-=<0'ᶠ <40ˢ ;</ˢ =-5.0ˢ 4ˢ B ;=ˢ G .H./'ᶠ J= 4.0ˢB=A.BC.-ˢ >@ˢ< /H<-GCˢ *ˢ ..Bˢ =4Aˢ4.<-ˢBC.ˢH.4B-.ˢ=ˢBC.ˢ>=<Bˢ Bˢ ;</ˢ5<0.ˢ >. =-.ˢ 5.B<ˢ ;</ˢ L4= ;4ˢ =-ˢ >-=EACBˢ 4B=ˢ E/.'ᶠ <40ˢ C<0ˢ 4=ˢ =BC.-ˢ </B.4 4A/ˢ>EBˢBC=/.ˢ ; C HCˢ -./E B.0ˢ -=5ˢBC.ˢ 4A.4 =E/ˢ /H<-GC 4Aˢ=ˢBC.ˢG<-B/'ᶠ -=5ˢBC.ˢB .ˢ=ˢ<ˢ =4A BE0 4<ˢL.. /=4ˢ G .H.ˢ ; C HCˢ =K.--<4ˢ BC.ˢ /H<-GC'ᶠ <40ˢ -=5ˢ BC.ˢ 5<44.-ˢ 4ˢ ; C 0Cˢ BC.ˢ BC ; <-B/ˢ ; .-.ˢ ; =-L.0ˢ =5.ˢ /=-Bˢ =ˢ 5</B Hˢ ;</ˢ G-=><> @ˢ .5G =@.0ˢ B=ˢ C. Gˢ 4ˢ 5<L 4Aˢ BC.ˢ /H<-GCˢ ; <B.-&

B ACB' BC=EAC' =-5 .0' G-=><> @' ; BC' 4B' 5G . 5 . 4B/'
>. =-.' BC .' -=4' <40' >-=4?.' <A./' B' ; </' ; . ' >E B' <40' 4= ;'
>.<-/' 0 /B 4HB' B-<H./' = ' ; C<B' <GG.<-/' B=' >.' <4' =-4<5 . 4B< '
5=E 0 4A' ; =-L.0' EG=4' BC.' =EB/ 0.' = ' BC.' AE4 ; < . ' B' ; </'
0 HE B' B=' 0.B.-5 4.' = ' ; C<B' ; ==0' B' ; </' >E B' >EB' B' ; </'
H=4/ 0.-.0' >@' BC.' <G<4 . /.' B=' >.' . BC .-' = ' H<5GC=-' ; ==0' =-'
5E >.--@&B-. . ' = ;' 5<4@' BC 4A/' C<K.' C<GG.4.0" 4' <G<4'
</' . /. ; C.-.' / 4H.' BC.' C<40/' BC<B' ; -=EACB' C .-' C<K.' H.</.0'
B=' G @' BC. -' B-<0. : G=// > @' BC.' .NG.0 B =4' = ' 5 5 E& .44='
B=' /<L<' <5=4A' =BC.-' BC 4A/' `

C.-.' ; </' < /=' /C= ; 4' E/' 4' BC.' 5E/.E5' <' /5< ' >EB' K.-@'
A==0' H= .HB =4" </' ' BC 4L" = ' +$# $ ' J. ; . /" ; C HC' <-.'
>.<EB E @' ; -=EACB' H<-K.0' G .H./' = ' C<-0' /B=4." G.- =-<B.0'
<B' BC.' .40 ' C.@' <-.' K.-@' <4H .4B' <40' -<-." H=5 4A' 0= ; 4"
B' /' /EGG=/.0" -=5' BC.' ! K 4.' $.- =0" >. 4A' =HH</ =4< @'
0EA' =EB' = ' BC.' /= " <40' 4=B' =BC.- ; /.' =>B< 4<> . : .NH.GB' 4'
H=E4B.- . B' =-' 5 B<B =4 ' B.-' B<L 4A' B.<' 4' <' BB .' /.H E0.0'
A<-0.4' B.<&C=E/. : B.<' 5<0.' = ' BC.' G= ; 0.-.0' .< " >@' <4' <HI
H=5G /C.0' 5</B.-' = ' BC.' <-B' = ' 5 N 4A' B" ; C=/.' 0. >.-<B =4'
<40' H.-.5=4@' 4' H<--@ 4A' =EB' .<HC' /B<A.' = ' BC.' G-=H.//' ; </'
BC.' 5=-.' <5E/ 4A' </' B' .NC > B.0' ; C<B' @=E4A' <0 ./' <-.'
B<EACB' </' <' C AC' <HH=5G /C5 .4B : <40' < B.-' = = ; 4A' EG'
BC.' B.<' ; BC' <' G<-B 4A' A </' = ' HC<5G<A4." 0-E4L' 4' <4'
. .K<B.0' /E5 5 .-&C=E/.' ; BC' BC.' A=K.-4=-" ; .' B==L' =E-' .<K.'
= ' C 5" <40' 0-=K.' 4' $' ' B=' <' /=-B' = ' < -' C.-."
.4B.- 4A' <' /.- ./' = ' >==BC/' 4' /EHH.// =4" ; .' /< ;' 5 .4' <40'
; =5 .4' ; < L 4A' =K.-' C< ' <' 0=?.4' @< -0/' = ' >E-4 4A' =A/'
; BC' 4<L.0' . .B" <' 0 ; <- " <' <0@' ; BC' <' <H.' = ' C=-- > .'
0. =-5 B@" <' /.- ./' = ' K.-@' ; . &5<0.' ; <N' AE-./" <' B A.-" <40"
>.BB.-' BC<4' < " BC.' H=5 5=4' G.=G .' 4' H-=; 0/' <5E/ 4A'
BC.5/. K./' ; BC' <05 -<> .' A==0' CE5=E-" <40' >.C<K =E-'
=-0.- @' 4' BC.' .NB-.5 . ' B' ; </' 4= ;' B 5 .' B=' -.BE-4' B=' =E-'
C=5.' 4' BC.' 5 4B" ; C HC' ; .' 0 0' <B' <' /G..0' BC<B' 5<0.'
" ' 5 .4' -E44 4A' B<40.5' 5=-.' -./G.HB.0' <40' G B .0'
BC<4' .K.-

E-' 4 .NB' 0<@' ; </' /G.4B' 4' K / B 4A' BC.' 4.' = 0' H</B .' = '
/<L<" ; BC' B/' <-A.' 5=<B/" A-<40' A<B. ; <@/" CEA.' 5=4= BC/"
<40' -E 4.0' G< <H./' <40' L..G' J < /=" ; BC 4' B/' =EB.-' 5 B/"

BC.' 5=0.-4' <-/.4<' <40' <-5/' 5<4E <HB=-@'" ; C HC' C<K.' >..4' ./B<> /C.0' 4' E-=G.<4' </C =4'" <40' <GG.<-' B=' >.' ; =-L 4A' ; BC' 5EHC'. H .4H@' ! E- 4A'BC.'-.H.4B'-.>. =4' 4' <B/E5<' A-.<B' 0.5<40/' ; .-.' BC-= ; 4' EG=4' BC /' <-/.4<'" <40' <' <-A.' ME<4B B@' =' <-5/' E40.-; .4B' -.G<-' <40' -.4=K<B =4' BC.-.' EHC' =' ; =-L' =' 'BC.' /<5.' L 40' ; </' /B ' G-=H..0 4A'" B=A.BC.-' ; BC' BC.' 5<4E <HBE-.' =' <5 5E4 B =4' =-' /5<' <-5/' C.' >E 0 4A/' ; .-.' /= 0' <40' A==0'" -=HL' =E40<B =4/' >. 4A' .</ @' =>B< 4<> .' =-' 5=/B' >E 0 4A/' 4.<-' B=' /<L<' </B .(' BC.' 5<HC 4.-@' ; </' L. ; /.' A==0'" <40' 4'A==0'H=40 B =4' '0 0'4=B' =>/.-K.' <' / 4A .' E-=G.<4'" = H.-' =-' 5<4'" BC-=EAC=EB' BC./.' ; =-L/' /' B' -< .0' C.<K @' 0E- 4A' =E-' K / B'" ; .' ; .-.' E4<> .' B=' 5<L.' <' H =/.' 4/G.HB =4' =' BC.' <-A.' 4. ;' >E 0 4A/' 4= ;' H=4/B-EHB 4A' </' <' <HB=-@' =-' A-.<B' AE4/'" >EB' BC.@' ; .-.' =>K =E/ @' =' <' K.-@' /E>/B<4B <' L 40'" <40' BC.' .-.HB =4' =' <' A-.<B&AE4' 5<4E <HB=-@' 4' <G<4' 5<@' >.' 4=B.0' </' <' / A4' =' BC.'B 5./

4' = H.-' /.4B' >@' BC.' A.4.-<' H=5 5<40 4A'BC.' B-==G/' 4& BC.' /<L<0 /B- HB' 4.NB' H=40EHB.0' E/' =K.-' BC.' H</B .' >- 0A.'" BC-=EAC' BC.' A-.<B' A<B. ; <@'" EG' BC.' =4A' ACB' =' >-=<0' /B.G/' B=' BC.' .K.' =' BC.' = 0' G< <H.' <40' =' BC.' .N /B 4A' = H<' >E 0 4A/' B' ; =E 0' >.' 0 HE B' B=' .N<AA.-<B.' BC.' H=5> 4.0' >.<EB@' <40' A-<40.E-' =' BC /' 4.' = 0' H</B .'" ; BC' B/' = B@' ; < /' =' /B=4."" B/' HE-K.0' =EB 4./'" B/' G HBE-./ME.' ; C B.' >E 0 4A/' <B' BC.' H=-4.-/'" B/' 5<// K.' B= ; .-'" B/' >-=<0' 5=<B'" <40' B/' CEA.' > =HL/' ='A-<4 B.' ='E4.N<5G .0' / ?.' <40' ; . ACB' C.' ; C= .' =-' 5=/B' = ' BC.' ; < /' <-.' 4=B<> .' =-' BC./.' K.-@' <-A.' > =HL/' ='A-<4 B.'" ; C HC' K .' ; BC' BC.' <-A./B' = ' BC=/.' >E B' 4B=' BC.' A-.<B' G@-<5 0' = ' C.=G/'" 4.<-' < -='" 4' A@GB(>EB' </' BC.' 5< 4' .4B-<4H.' B=' BC.' H</B .' G-=G.-' /' <GG-=<HC.0'" =4.' /../' > =HL' < B.-' > =HL' = 'BC.' 5=/B' </B=4 /C 4A' G-=G=--' B =4/'" E4B ' <B' <40' =GG=/ B.' B=' BC.' .4B-<4H.' B/. ' <-.' / 4A .' /B=4./' = ' /EHC' 55.4/.' / ?.' BC<B' =4.' /' < 5=/B' 0-K.4' B=' 0=E>B' ; C.BC.-' C /' /.4/./' <-.' 4=B' 0.H. K 4A' C 5 ' B' /' /=' 0 HE B' B=' E40.-/B<40' C= ;' /EHC' CEA.' 5<//./' H<4' C<K.' >..4' ME<-- .0'" B-<4/G=-B.0'" -< /.0' B=' /EHC' <' C. ACB'" <40' BC.-.' ; =-L.0' 4B=' ; < /' ' H=E 0' 4=B' H=4K.4 .4B @' 5.</E-.' BC.' <-A./B' /B=4./'" >EB' ' ..' /E-.' BC<B' /=5.' = 'BC.5' 5E/B' >.

=K.-' B ; .4B@' ..B' 4' C. ACB'" G.<- @' B ; H.' BC<B' C' .4ABC&'" <40' /.K.-<' ..B' BC HL'" <40' 5E/B' ; . AC' BC-..' CE40-.0' B=' =E-' CE40-.0' B=4/' 4' -.G @' B=' ME./B =4/' B' ; </' /B<B.0' >@' /=5.' = ' BC.' = H.-/' ME<-B.-.0' <B' BC.' H</B .' BC<B' BC./.' /B=4./' ; .-.' G-=><> @' >-=EACB' -=5' ME<-- ./' >@' BC.' 4 <40' .<'" / BE<B.0' 4.<-' C<-<'" 5=-.' BC<4' =4.' CE40-.0' 5 ./' -=5' /<L<'" >EB' BC<B' /=5.' BC=EACB' B' G-=><> .' BC<B' BC.@' ; .-.' =>B< 4.0' -=5' BC.' C '=4' ; C HC' BC.' H</B .' /B<40/' B' ; </' G=/ B K. @' <//.-B.0' BC<B' BC.' H</B .'" ; BC' B/' /BEG.40=E/' ; < /'" ; </' >E B' ; BC 4' * B..4' 5=4BC/'" <' /B<B.5 .4B' ; C HC' <GG.<-/' B=' 5.' 4H-.0 > ."" C= ; .K.-' A-.<B' <' H=5 5<40' = ' <>=E-' BC.' >E 0.-' 5<@' C<K.' G=//.//.0

E-' K / B' B=' BC /' C /B=- H' H</B .' ; </' <' K.-@' G .</<4B' =4."" 4' /G B.' = & BC.' ; .<BC.-'" ; C HC' ; </' 0<5 J'" ; BC' =HH</ =4<' /C= ; .-/' .' ; .-.' -.H. K.0' >@' BC.' A.4.-<' <40' =BC.-' = H.-/' = ' BC.' A<-- /=4'" <40' B<L.4' B=' <4' . .K<B.0' B= ; .-&-==5'" -=5' ;C HC' <' A==0' K . ;' = ' BC.' H</B .' <40' H B@' <-=E40' H=E 0' >.' =>B< 4.0' C.' C /B=-@' = ' BC.' H</B .' ; </' >- . @' /B<B.0'" <40' G <4/' = ' /<L<' 4' K.-@' .<- @' B 5./' <40' <B' /E>/.ME.4B' G.- =0/' < B.-' BC.' >E 0 4A' = ' BC.' H</B .' ; .-.' 4/G.HB.0' C.' A.4.-<' ; </' /=' => A 4A' </' B=' A K.' 5.' <' B-<H 4A' = ' BC.' H</B .' <40' G-./.4B' >E 0 4A/'" ; BC' /=5.' /B<B /B H<' 4 =-5<B =4' = ' 5EHC' 4B.-./B' 4=BC.-' = ' BC.' = H.-/' ; </' A==0' .4=EAC' B=' G-.I /.4B' E/' ; BC' /=5.' K.-@' = 0' A= 0&>=E40' <--= ; /'" ; C HC' C<0' =-5.0' G<-B' = ' <' H. 4A' =-5.0' = ' <--= ; /' 4' BC.' = 0' H</B .' = ' #<4<?< ; <'" 4' BC.' G-=K 4H.' = ' #<A<'" B=A.BC.-' ; BC' <' B .' >.<- 4A' BC.' H-./B' = ' BC.' ! < 5 =' >-=EACB' -=5' BC.' /<5.' H</B ."" <40' <4' <4H .4B' B .' -=5' <4=BC.-' H</B .' BC.' -== ' = ' ; C HC' ; </' =4H.' H=K.-.0' ; BC' A= 0'" BC.' B .' 4' ME./B =4' /B ' >.<- 4A' B-<H./' = ' A= 0' EG=4' B/' /E- <H.

B.-' B<L 4A' ACB' -. -./C5.4B/' ; .' ; .4B' B=' BC.' = 0' H</B .' L..G'" ; C HC'" < BC=EAC' BC.' EGG.-' /B=- ./' <-.' A=4." /B ' /B<40/' C AC' <>=K.' .K.-@BC 4A' . /."" =K.- ==L 4A' BC.' ; C= .' H B@' <40' BC.' H=E4B-@' -=E40' B=' BC.' 5=E4B< 4' 5 B/' .' BC.4' -.BE-4.0' B=' BC.' H</B .' A<B.'" BC.-.' B<L 4A' .<K.' = ' BC.' A.4.-<'" <40' G-=H..0 4A' B=' K / B' BC.' 4 <4B-@' ><--<HL/'" BC.' <-B .-@' ><--<HL/' <40' /B<> ./'" <40' =BC.-' 5 B<-@' G <H./' = ' 4B.-./B' C<B' 5=/B' /B-EHL' 5.' 4' BC./.' ><--<HL/'" <40' 4' =BC.-' 5 B<-@

><--<HL/ 4 <G<4" ; </ BC. 5 E B G H B@ = >==L/ <40 <GG I <4H./ =- -.<0 4A <40 /BE0@ K.-@ H=5 5=4 /= 0 .- <GG.<-/ B= E-4 /C C 5/. " = B= >. E-4 /C.0" ; BC ME B. < /5< >-<-@ < B= C 5/. : < H -HE5/B<4H. BC<B 5<@" G.-C<G/" >. B-<H.0 B= BC. G-.&-.K= EB =4 G.- =0 = <G<4" ; C.4 BC. $* H </ ; .-. <B =4H. BC. /= 0 .-/ <40 BC. /HC= <-/ = BC. H=E4B-@ $.-C<G/ ; BC BC. G<@ = - B /C B-==G/ /B.<0 @ 4H-.</ 4A </ B /" <40 ; BC /= 5<4@ <H B ./ =- /BE0@ <40 -.H-.<B =4 </ BC.@ <-. 4= ; E-4 /C.0 ; BC" BC. B 5 . 5<@ 4=B >. <- 0 /B<4B ; C.4 =E- = ; 4 /= 0 .-/ ; =HHEG@" </ BC.@ ; . " 5 ACB" < H=5G<-<B K. @ C AC G=/ B =4 4 BC. /=H < /H< ." <40 ; C.4 BC. <-5@ ; <BB-<HB B= B BC. /E-G E/ 5.5>.-/ = BC. H K >H=5 5E4 B@ = < A-<0./ BC<B <-. -./G.HB<> . <40 ; . 4/B-EHB.0

C. .K.4 4A = BC /&0<@ ; </ 0.K=B.0 B= =E- -/B 0 44.-" B<L.4 < B.- BC. </C =4 = BC. H=E4B-@ 4 ML = ; . C<0 B<L.4 E4HC 4 4<B K./B@ . =HH</ =4< @ 4 < B.<&C=E/." <40 C<0 5<0. =E- -/B <HME< 4B<4H. D<B < 5 .< F ; BC BC. ==- </ <B<> ." HC=G/B HL/ </ 0 4 4A 5G .5.4B/" <40 0<4H 4A A - / <40 # </ =E- B<> . <BB.40<4B/ EB ; . C<0 4=B >. =-. 0 4.0 4 BC / </C =4" <40 4= ; <B BC. 4K B<B =4 = -)=0< =5=& B/E DH= =ME < @ -) =0< F" G-./ 0.4B = BC. /<L< HC<5>.- = H=5 5.-H." ; . ; .-. B= B./B BC. /@/B.5 <5 -.. B= H=4 .// BC<B 4. BC.- =4 BC / 4=- =4 <4@ EBE-. =HH</ =4 0 0 <BB.- 5@/. BC<B /= <- </ ; </ H=4H.-4.0 BC. .NG.- 5.4B ; </ < /EHH.// C. - A 0 B@ = =-B@ @.<-/ <40 <4 =HB<K." ; BC BC. -./B-< 4B/ = E-=G.<4 0-.//" <-. E4 <K=E-<> . B= BC. H=5 5.4H.5.4B = =B - A@54</B H/" <40 </ 5@ HC=G/B HL C<40 C<GG.4.0 B= >. H-E/C.0 < . ; @.<-/ <A=" B= BC. 0./B-EHB =4 = /=5. = BC. 5E/H ./ =E40 BC. HC=G/B HL/ < 5=/B </ 0 HE B B= G <@ </ BC. G <4= EB BC. =4 @ 0. .HB/ =4 BC. =HH</ =4 ; .-. ; BC 5@/. B.- < >- . /=J=E-4 4 BC. Q G=.B-@ -==5 R = 5@ C=/B" <40 <4=BC.- 4 BC. H.-.5=4 < B.<&-==5" ; C.-. <0<5.)=0< G-./0.0 </ /=5. <G<4./. <0 ./ H<4 : ; C HC / K.-@ G.- .HB @" .B 5. <//E-. BC. -.<0.-" </ <0<5.)=0< ; 4=B -.<0 BC / : <40 < B.- 40E A 4A =E- .@./ ; BC ; =40.-/ = <HME.- ; =-L" >-=4?." <40 G< 4B 4A" ; . 0 4.0" <40 .<-4B C= ; <G<4./. 0=

$' % 0 ' . >')' & S,

0 4="6 ; C.4' BC.@' C<K.' <' 5 40' ' ' ; ' /<@' E-BC.-' =4' BC.' 5 <BB.-' C.-.' /' BC<B' =4' .K.-@' G=// > .' =HH</ =4' BC.-.< B.-' ' ; </' 5EHC' 5=-.' BC<4' H=4B.4B' B=' 0 4.' <G<4./.' </C =4"6 Q' 4' /G B.' = ' < ' B.5GB<B =4/'R' = ' BC.' >./B' E-=G.<4' H==L/' B=' >.' =E40' 4' BC.' H=E4B-@

4' .04./0<@' BC.' ,BC' = ' .>-E<-@' ; .' /B<-B.0' =4' <' K / B' B=' BC.' <- H .4B' <40' /<H-.0"6 H B@' = ' <-<"6 ; C HC' ; </' BC.' H<G B< ' = ' = 0' <G<4' 4' BC.' B 5 .' = ' BC.' <5=E/' .5G-.//./' = ' BC.' /.K.4BC' <40' . ACBC' H.4BE- ./ ' EB' BC.' /B=-@' = ' BC<B' ^K / B' ' 5E/B' B. "6 C= ; .K.-' C</B @' <40' 5G.- .HB @"6 4' <' /.G<-<B.' HC<GB.-"6 <40' C.-.' G<//' =4' B=' =E-' -.<-- K< ' 4' /<L<' 4' BC.' <-<' HC<GB.-' ' /C< ' >- 4A' BC.' 4<--<B K.' 0= ; 4' B=' BC.' .4B.-B< 4 5 .4B' = ' ; C HC' ' 4= ; ' G-=H..0' B=' /G.<L"'6 <40' ; C HC' B==L' G <H.' 5 5 .0 <B. @' =4' =E-' -.BE-4' -=5' <-<' C /' ><4HJE.B' ; </' <' C AC @' HC<-<HB.- /B H' =4.' 4' 5<4@' ; <@/' B' ; </"6 ' E40.-/B==0"6 BC.' -/B'.K.-' A K.4' >@' BC.' 5 .-HC<4B/' = ' BC.' H B@' = ' /<L<' B=' <4@' =-. A4' K / B=-(B' ; </' <BB.40.0' >@' =4.' = ' BC.' 5 4 /B.-/' = ' /B<B.' 05 -<' #< ; <5E-<(B' ; </' A K.4' =4' <' /H< .' = ' A-.<B' /G .40=E-"6 4' <' GE-. @' <G<4./.' /B@ .' 4' .K.-@' -./G.HB(4<B =4< ' 5E/ H"6 / 4A 4A"6 <40' 0<4H 4A' = ' BC.' K.-@' C AC./B' H </' ; .-.' G.- =-5 .0' 0E- 4A' BC.' .K.4 4A(<40' BC.' C=/B/' ; .-.' BC.' G-./ 0.4B"6 K H.&G-./ 0.4B/"6 <40' 5.5>.-/' = ' H=E4H ' = ' BC.' HC<5>.-' = ' H=55.-H.' <40' BC.' /B=HL' .NHC<4A.' = ' /<L<"9' ; C=' 4' H=4K.@ 4A' BC. -' 4K B<&

M 0*' & :: + /;' : '(' &' %' . /C)* 7' 2 && * /(' . - (*'' &'(0*' 3* 10-/(" 1 .-.' */(* (- /* '' +-'' 0-/2*2' (' &' '-8-' -/2' (0*' *. *'*/(-( )*'' - *' 3* ;)*' (' + (0 %(' /:(* -(C/ ') (*2' 3 *' ' :*'' -11 2 /;' (' (0*' 2-' 3 6 ('%' $ *' 2*/(' & /%3=* ' &'(0*' . - (*'' 0* *' - *' / +' # 3 3* 1 -.' #0-3=* ' -/2' ; /-(' (+ ' 0%/2 *2' -/2' (: (7' *. *'*/C &' (18' >10-/;*' '-8-' -8-/ ' (-( )*'' /' (0*' # 3 3* 1 -.' #0-3=* ' 10 ' 1*6$ *' 2*/(' &' # 3 3* 1 -.' -/2' (0*7' 2*' *2' (0*' -=)*';*/(:* 3*/' #0-3=* ' '-8-' '*' *8* ' 2 ' (' *1*)*' 7 % -'' (0* ' '%='((%(*' <-(' 6 0 ' -/-;* ' &' #0-3=* ' -8-7-3-' =%6-8 ' $ *' 2*/(' & &' # 3 3* 1*' '-8-' 0 =-8-+-' (18' >10-/;*' '-8-' < / 8*' -(-8* ' 2 ' -/2' /'.*1(' &' 9-6' O*/7*3 /' ; /-(' &' (18' >C '= 68+- '0 ' ?+0* *' '' (-/'-1(*2' 10-/;*' '-8-' ('-' (/ ': *' (0*' =%' /*'' & ' 1*@' 0*' -=)*' 2 ' %3 (3 ' < 1: A-67*3 /' 2 ' ;*/(:*3*/' -L*') (*2' -/2' /(%'(*2' < '-% ' <% --8 10 ' 2 ' -/2' +/*' & (' (0* ' && 1*' =7' (0*' .* .:*' &' < +6; 7 68+- '0 ' ?+0* *' '' (-/'C '-8L-' 0*' Y# 3 -* 1 %:' #0-3=* ' -1(*2' (0*' =%' /*'' & ' *>. (-(/@' '' 1 /'(3*(*2' =7' (0*' 3-/7' (0 %'-/2 -' ' <-/ % '8*' ; /-(' &'

' I

S ')

B =4/' <0K.-B.0' B=' BC. -' -.G-./.4B<B K.' HC<-<HB.-'" <HB.0'
4' BC.' 4<5.' = ' BC. -' . = ; &H B ?.4/'" <40' -.H. K.0' E/' ; BC'
A-.<B' H=-0 < B@ ' C.' /H.4.'=4' .4B.- 4A'BC.' 0 4 4A&HC<5>.-'
; </' / 4AE <-' <40' >.<EB E ' (.NH.GB 4A' <' . ;' C<40/=5.'
/H-..4/' <40' ; =-L/' = ' <-B' 4.<-' BC.' ; < /'" BC.' -==5' C<0' 4='
=BC.-' E-4 BE-.' BC<4' / L' HE/C =4/' B=' / B' EG=4'" '
D/5< ' G=-B<> .' /ME<-.' >= ; /' H=4B< 4 4A' HC<-H=< ' -.F' =-'
A K 4A' ; <-5BC/' <40' /5< .-' -.&>= ; /' =-' ACB 4A' BC.'
/5< ' <G<4./.' G G./'" H A<-.BB./'" =-' H A<-/ ' EB' < BC=EAC'
/B ' 4=B' <-' -=5' BC.' 5 00 .' = ' .>-E<-@'" BC.' .K.4 4A' < -'
; </' 5 0'" <40' =4.' / 0.' = ' BC.' -==5' ; </' BC-= ; 4' .4B -. @' =G.4'
B=' <4' E4E/E< @' <-A.' A<-0.4'" ; BC' <' 4.' /C..B' = ' <-B H < '
; <B.-' ; 40 4A' <>=EB' B ' C.' K.-<40<C' <40' BC.' A<-0.4' <40'
; <B.-' >.@=40' ; .-.' E5 4<B.0' ; BC' CE40-.0/' = ' <G<4./.'
<4B.-4/'" - HC @' H= =E-.0'" 5<4@' = ' ; C HC' ; .-.' L.GB' 5=K 4A'
BC-=EAC=EB' BC.' .K.4 4A' .' /<B' 0= ; 4' <>=EB' B ; .4B@' 4'
4E5>.-'" <40' BC.' ><4ME.B' H=5 5.4H.0' >@' <' . ;' A - /'" ME .B @'
>EB' G-.BB @' <BB -.0'" H=5 4A' 4B=' BC.' -==5'" <0K<4H 4A' <40'
< 4A' EG=4' BC. -' L4../' 4' -=4B' = ' E/'" G <H 4A' C<40/=5.'
<HME.-' B-<@/' ; BC' HEG/' = ' B.<' <40' / H./' = ' / ; ..B' H<L.'
>. =-.' E/'" <40' >= ; 4A' BC.' C.<0' B=' BC.' A-=E40' >. =-.'
- / 4A' <40' -.B - 4A ' C /' L 40' = ' G-=H..0 4A'" ' 5<@' /<@'
/C=-B @'" ; .4B' =4' =-' /.K.-<' C=E-/'" BC.' <HME.-.0' B-<@/'
>.<- 4A' 4' /EHH.// =4' /=EG/'" 5.<B/'" /C'" A<5.'" <40'< ' /=-B/'
= ' K.A.B<> ./' 0< 4B @' G-.G<-.0'" <40' /.-K.0' 4' <' =-5' BC<B'
.4<> .0' 5.' B=' 0.<' ; BC' BC.5'>@' 5.<4/' = ' HC=G/B HL/' =4 @ : '
4=B'" ' <5' >=E40' B=' /<@'" ; BC=EB' BC.' >.-<'E/.'= ' BC.'B..BC' 4'
< 0' BC.-.= ' C.-.' ; .-.' 0=E>B .//' 5<4@'<-B H ./' /.-K.0' B='
; C HC' ; .' 4' 4A <40'<-.'/B-<4A.-/'">EB'/.<& ; ..0'<40'><5>==&'
/C==B/ : >=BC'K.-@'G< <B<> .' 40..0 : <-.'< '= 'BC.5'BC<B' 'H<4'
4= ;'H< 'B='5 40' C.'E4 K.-/< '/B-=4A'0- 4L'= 'BC.' H=E4B-@'"
L4= ; 4'</' " 1'0-E4L'>=BC'H= 0' <40'C=B'" ; </'/.-K.0'" B=A.BC.-'
; BC' E-=G.<4' ; 4./'" <40' 4A /C' < .' <40' /B=EB' </' 0./ -.0'
B' <4' .<- @' /B<A.' = ' BC.' 0 44.-' G=E-.0' 4' <' /B-.<5' =

(18' >10-/;*' '-8-' - --;%10 ' =**/' 3-2*' -/2' 2 %/8' /' ,-.-/' & '
< 0 = 7' 2 ' / 68%10' 0 /6' ' >(**/' 1*/(% *' ' (' '' / (' %'%-::7'
A-= '2 ' <% --;-' %('(- '2 +0-('(0*' /;: '0'+ %:2'1 /' 2*')* 7'
M 0 '' '' = *+*2' & 3' 1*'0-' '(/;

0<4H 4A A - / <--<@.0 4 <G<4./.H-<G./ <- 0 / L/ = BC.
>- ACB./B <40 5=/B 0 K.-/ .0 H= =E- 4A <40 G<BB.-4 ; BC
C< - 0-.//.0 4B= ; =40.-/ = <4 <-B BC<B -.<HC./ B/ H 5<N
G.-C<G/ 4 /<L< <40 ; BC <H./ <40 4.HL/ G= ; 0.-.0
.@.>-= ; / 0..G.4.0 .@. 0/ B 4B.0 <40 G/ G= /C.0 ; BC
K.-5 =4 .4<5. C.-. ; .-. <B .</B K.&<40&B ; .4B@
= BC./. G-.BB@ H-.<B =4/ = 5G.- < /<L< ; C= ; .-.
E4ME./B =4<> @ K.-@ HC= H. ; =-L/ = <-B <40 < 5 < -< 0
BC.@ H<44=B >. H=4/ 0.-.0 <B G-./.4B </ K.-@ 5EHC 5=-.
B <GG.<-.0 =4 BC / <40 =BC.-=HH</ =4/ B= C. BC. - E4HB =4
4=B 5.-. @ B= 0<4H. ; C.4 H< .0 EG=4 >EB B= / B <>=EB
<5=4A BC. 0 4.-/ </// /B BC.5 B= <4@BC 4A BC.@ 5 ACB
-.ME -. <40 5<L. BC.5/. K./ A.4.-< @ E/. E (<40 </ BC.@
0 0 BC /K.-@ 4 H. @ <40 /EHH.// E @ C<K. G.-C<G/ /C= ; 4
4 BC / /.4B.4H. BC<B 0 0 BC.5 /=5. 4JE/B H. 4 5@ </B
=- ; C HC <G= =A /. 4 <00 B =4 B= BC./.>- <4B BB .
>. 4A/ BC.-. ; .-. 4E5.-=E/ / 4A 4A <40 5E/ H A - / =-
<40 >.C 40 BC. /H-..4 /=5. / 4A 4A 5.5>./ 0./
B / 0 HE B : B / 40..0 5G=// > . =- </B-<4A.-B= E @
<GG-.H <B. /EHC 5E/ H< G.- =-5<4H./ </ BC. -/ >.H<E/.
5EHC = BC. - 5.- B 5E/B >. 0E. B= . <>=-<B. HE B K<B =4 = B</B. B B ; </ 5G=// > . B= /B.4 B= /EHC 4/B-E5.4B< <40 K=H< 5E/ H </ ; </ C.<-0 =4 BC / =HH</ =4 ; BC=EB =>/.-K 4A ME< B ./ ; C HC 5E/B >. BC. -./E B = H=5>4.0 4<BE-< .40=; 5.4B <40 C AC B-< 4 4A .@=40 BC /" C=; I .K.-" B / 5G=// > . =- 5. B= A=" <40 H<4 =4 @ </ /.-B BC. K.-@ .5 4.4B 5.- B/ = BC. <-B /B/ EG=4 BC. <EBC=- B@ = 5@ 4 =-5<4B/ C. 4/B-E5.4B/ E/.0 ; .-. BC. " #* <40 BC. $

H<44=B .K.4 A K. BC. 4<5./ = BC. /.K.-< 0<4H./" 4=- H<4 G-./E5. B= 0./H- >. BC.5 (/E H. B B= /<@ C.-. D/ C<K. 5.4B =4.0 BC. <G<4./. 0<4H./ . /. ; C.-.F BC<B BC.@ >.A<4 ; BC B ; = K.-@ @=E4A A - / G.- =-5 4A < 0<4H. 4 5</L/(BC<B BC. /.H=40 ; </ < 0<4H. 4 ; C HC BC. G<-</= G <@.0 < H=4/ 0.-<> . G<-B(BC<B BC. BC -0 ; </ G.- =-5.0 >@ =4. = BC. K.-@ @=E4A A - / ; C= /EHH.// K. @ 5<0. E/. = < >-<4HC = > =//=5 / <40 = B ; = <4/ ; C HC ; .-. C<40 .0 ; BC < 0.NB.- B@ BC<B ; </ 5<-K. =E/ 4 /= @=E4A < HC 0

C.' -.5< 40.-' ; .-.' 5=-.' A.4.-<'' 5=/B' = ' BC.' 0<4H.-/'
J= 4 4A' 4' BC.5'' E/E< @' ; BC' BC.' <HH=5G<4 5.4B' = ' C<40&'
H <J*G 4A' =B ; BC/B<40 4A' BC.' .NB-.5.' 5=4=B=4@' = ' BC.'
5E/ H'' /=5.' = 'BC./.' 0<4H./' ; .-.' 5< 4B< 4.0' =-' <' =4A'B 5.''
<40' ; BC' ; =40.- E' /G - B'' BC.' @=E4A.-' C=/B/' <40' AE./B/'
J= 4 4A' 5=-.' =-' .//' 4' BC.5 ' 4' BC.' H=E-/.' = ' BC.' .K.4 4A''
/=5.BC 4A' K.-@' <4< =A=E/' B=' BC.' 0- 4L 4A' = ' C.< BC/' /.B' 4'
=-' <' /C=-B' B 5.'' >EB' C<GG @' ; </' 4=B' G-= =4A.0' </' B' /' <B'
C=5.' B' ; ' >.' 4B.-./B 4A' B=' ME=B.' BC.' = = ; 4A' B-<4/I
<B =4' = ' <' >- . ' <>/B-<HB' = ' BC.' /G..HC' = ' BC.' $-./ 0.4B''
-') =0< '' BC.' G-./ 0.4B' = ' BC.' HC<5>.-' = ' H=5 5.-H.'' ; C='
; </' L. ; /.' BC.' =- A 4<B=-' = 'BC.' /<L<' /B=HL' .NHC<4A.
.' /< 0' 1 Q' C.4' =E-' C<->=E-/' ; .-.' C<-0 @' =G.4.0''
=-. A4' H K /<B =4' ; </' E4L4= ; 4' B=' E/(>EB' < B.-' - .40 @'
-. <B =4/'' ; .' ; .-.' A-<0E< @' >-=EACB' B=' BC.' ACB'' <40' <-.'
4= ;' 5<L 4A' G-=A-.//' /=' 5EHC' BC<B' ; .' C<K.' /EHH..0.0' 4'
BC.' =-5<B =4' = ' BC /' C<5>.-'' <40' BC.' 5..B 4A' = ' BC.'
G.=G .' E/B' =4' BC.' H=5G .B =4'' ' <5' C<GG@' B=' /<@'' @=E'
A-<B @' E/'' -' ..0'' ; BC' @=E-' K / B'' .<0 4A' E/' B=' <' 4. ;'
0.<' >@' A<BC.- 4A' =E-/. K./' B=' BC /' 5..B 4A' B=' ; . H=5.' <40'
.4B.-B< 4' @=E'' ; C HC' ; </' 4.K.-' 0=4.'>. =-.' B=' <4@' = ' =E-' G</B'
=-. A4' AE./B/' 4' /C=; 4A' @=E' =E-' <GG-.H <B =4' = ' @=E-'
K / B'' ; .' < /=' A K.' @=E' <' / ACB' = ' =E-' G-=A-.//'' ; C HC' ' <5'
A <0' <40' G-=E0' = ' 4.' BC 4A' -.5< 4/' 4' 5@' 5 40'' <40' <'
; =-0' ' 5E/B' /<@1' ; C.4' C /' =@< ' AC4.//' @=E-' $- 4H.'
+BC.' ! EL.' = ' 0 4>E-AC0' ; </' =4' C /' K / B' B=' BC /' .5G -.''
=E-' G.=G .' ; .-.' 4=B' <B' < ' ; . ' 4 =-5.0'' <40' ; .-.' A4=-<4B'
= ' BC.' ; <@' C=; ' C /' =@< ' AC4.//' /C=E 0' >.' ; . H=5.0'
<40' .4B.-B< 4.0'' <40' ; .-.' H=4/.ME.4B @' E4<> .' B=' < =-0' BC.'
/<5.' <BB.4B =4/' </' 4=; ' 40 4A' =E-/. K./' 4=; ' 5=-.' ME< I
.0'' <40' C<K 4A' =4H.' /B<-B.0'' ' <5' 4' C=G.' BC<B' ; .' ; '
>=' <> .' B=' A K.' B=' < ' =E-' EBE-.' =-. A4' AE./B/' = ' -<4L' =-'
0 /B 4HB =4' <4' .ME< ' -.H.GB =4' ; BC' BC<B' ; .' A K.' B=' @=E R
' =EACB' 4=B' B=' =-A.B' B=' 5.4B =4' =4.' = ' BC.' <BB.4B =4/'
/C=; 4' <B' BC /' 0 44.-'' </' B' ; </' >=BC' 4B.-./B 4A' 4' B/. '
<40' 40 H<B K.' = ' BC.' <5=E4B'' = ' H=4/ 0.-<B =4' ; C HC' BC./.'
5.-HC<4B/' = ' /<L<' ; .-.' G .</.0' B=' /C=; ' B=' E/' = ; <-0/'
BC.' .40' = ' BC.' 0 44.-' BC.-.' ; </' >-=EACB' 4' <40' G <H.0' 4

$ % 0 , . >) &

-=4B = 5 . < /B<40 <>=EB . . B >-=<0 <40 S* . . B =4A =4 ; C HC ; </ 5=0. .0 < >.<EB E @ H= =E-.0 -.G-./.4B<B =4 = < A= 0.4 GC.</<4B < G 4.&B-. . /=5. K.-@ 4. <-A. = ; .-/ ; BC 4E5.-=E/ /5< >=EME.B/ = /<L< <-B H < = ; .-/ C / / ; </ 4 =-5.0 >@ =4. = 5@ 4B.-I G-.B.-/ < H=5G 5.4B =4 @ G< 0 <B ; .00 4A/ <40 =4 =HH</ =4/ = K.-@ G-=4=E4H.0 ; . H=5. <40 H=4/ 0.-<B =4 B= AE./B/ C. /<L< = ; .-/ ; .-. 0 /B- >EB.0 <5=4A BC. H=5G<4@ 5=/B = BC.5 40 4A BC. - ; <@ /==4.- =- <B.- B= BC. K< 4 BB . C.<0/ = BC. G-.BB@ # <40 0<4H 4A& A - / HE- =E/ .<BE-. = BC. <--<4A.5.4B ; </ C= ; .K.- BC. 5<B.- < = BC. A= 0.4 GC.</<4B <40 BC. <-A.- = ; .-/ ; C HC ; .-. < HEB =EB = -./C BE-4 G/ =- = /=5./ 5 <- K.A.B<> . <40 ; .-. /= >.<EB E @ =-5.0 <40 H= =E-.0 </ B= G-./.4B < 5=-. 4<BE-< <GG.<-<4H. BC<4 5<4@ G.-5<4.4B ; =-L/ = <-B C. G<-B@ ; </ >-=L.4 EG <>=EB . .K.4 =3H =HL >@ =E- 0.G<-BE-. BC. -E4 C=5. 4 " >. 4A 5<0. <B <4 </B=4 /C 4A /G..0 ; C HC ; </ K.-@ <A-..<> . B= BC=/. = E/ ; C= C<0 < -.<0@ - 00.4 4 BC.5 0E- 4A BC. 0<@ /=5. BC -B@ 5 ./ =- 5=-.

B /4..0 .// B= G-= =4A BC /<HH=E4B = =E- K / B B= /<L< 5EHC 5=-. < BC=EAC 5<4@ < G<A. 5 ACB -.<0 @ >. .0 ; BC BC. /B=-@ = B C.-. <-. C= ; .K.- < . ; <HB/ <40 4H 0.4B/ ; C HC 5E/B 4=B >. =5 BB.0 5=4A BC./. 5E/B >. 4<5.0 <4=BC.- ><4ME.B A K.4 B= E/ BC / B 5. >@)=K.-4=- <B<4<>* C / ; </ /.-K.0 4 E-=G.<4 /B@ . <40 ; </ ; =40.- E @ ; . 0=4.(>EB BC. G- 4H G< HC<-5/ = BC. =HH</ =4 4 <00 B =4 B= BC. G.-G.BE< HC<-5 = J=@=E/ C=/G B< B@ ; .-. B/ <G<4./. .<BE-./ : BC. 5=BB=./ =4 BC. ; < .<HC < H=5G 5.4B <40 < G=.5(BC. E5 4<B.0 A<-0.4(BC. ; - B 4A/ 4 / L -=5 BC. C<40/ = BC. -.>. < A= <40 BC. 5<-B@- LE>=(BC. 5<4@ / ; =-0/ = BC. C=/B .<HC ; BC B/ = ; 4 /B=-@ B= 0 =- BC<B H=E 0 &>. B= 0(<40 <>=K. < BC. 0-<5<B H G.- =-5<4H./ ; C HC = = ; .0 BC. ><4ME.B =- =4 BC / =HH</ =4 BC. A=K -4=- C<0 <--<4A.0 =- BC. G.- =-5<4H. = < /.- ./ = 0-<5<B H G .H./ 5=/B @ H=5.0 ./ <40 =- BC. -/B B 5. ; . >.H<5. <HME< 4B.0 ; BC < >-<4HC = <G<4./. <-B ; C HC C= ; .K.- <4H .4B 4

B/. '6 C<0' 4=B' .K.4' 4' -E5=E-' -.<HC.0' E/' C.BC.-' BC.' 0-<5<' 0 0' =-' 0 0' 4=B' =- A 4<B.' 4' G<4B=5 5 H' G.- =-5<4H./'6 </' /=5.' /EGG=/.'6 ' L4= ;' 4=B'6 >EB' H.-B< 4 @' 4' BC.' <G<4./.' 0-<5<' /EHC' G.- =-5<4H./' /B ' -.B< 4' <' 5=/B' 5G=-B<4B' <40' G-=5 4.4B' G<-B' ' 5E/B' 4=B'6 C=;.K.-'6 .4B.-' EG=4' BC.' /E>J.HB' C.-.' C.BC.-'6 ;C.4' ' H=5.' B=' /..' 5=-.' =' BC./.' 0-<5<B H' .NC > B =4/'6 ' /C< ' >.' <> .' B=' A K.' <4@' 4B. A > .' <HH=E4B' =' BC.5' ' H<44=B' /<@(' >EB' =4' BC.' G-./.4B' =HH</ =4' ' 5E/B' G</I' BC.5' =K.-' < ' >EB' 4' / .4H.'6 E ' =' .NB-<=-0 4<-@' HC<-<HB.- /B H/' </' BC.@' ;.-.' C.' ;.' =' =E-' C=/B'6 <40' <4' 4B.-./B 4A' HC 0' =-' B;=' =' BC. -/'6 ;.-.' G-./.4B'6 >./0./' BC.' 4K B.0' AE./B/'6 /=' BC<B' =4.' -.< @' </I /B.0' <B' <' <5 @' G<-B@' </' ;. ' </' <B' <' 0-<5<B H' 0 /G <@ 4=BC.-' 4B.-./B 4A' .<BE-.' = ' =E-' /B<@' <B' /<L<' ;</' =E-' GE-HC</ 4A' .NG.0 B =4' 4' BC /' ;.' ;.-.' 5=/B' =-BE4<B.'6 C<K 4A' =-' =E-' AE 0.' <40' - .40' -' C4=' =- HC L<'6 '6 BC.' 5G.- <' 5 4B'6 ;C='6 4' BC.' <>/.4H.' = ' BC.' /.4 =-' = H.-'6 <HB.0' </' =E-' C=/B'6 <40' G.- =-5.0' BC.' 0EB@' C<40/=5.@' .' -.K. .0' =-' C=E-/' 4' HE- =/B./' = ' < ' 0./H- GB =4/' D; BC' >E@.-/3<GG.B B./' >EB' 5G.- .HB @' 40E A.0F'6 >EB' BC.' A-.<B./B' 0. ACB' = ' < ' ;</' <5=4A' BC.' G HBE-./: $ ' #)"* ' $ ' /H-..4/'6 G HBE-./' =-' /H-..4/'6 <40' K= E5./' EG=4' K= E5./' = ' <-B /B/3;=-L' = ' .K.-@' 0./H- GB =4' C<B' <' A B' B' /'6 BC<B' = ' <4' <-B /B' C<B' <' G=;.-' B' /' ;C HC' C.' G=//.//./' >@' <' .;' /; B' B=EHC./' = ' 4L' =-' H= =E-' B=' H-.<B.: =-' /' B' 4=B' B-E.-' B=' /<@' B=' -.K K.'V: 4' E/' BC.' 5<A.' = ' <' > -0'6 <' =;.-'6 <' <40/H<G."6 <' /.<'6 <' /B=-5`

G F '' (0*' .) :*;*' &' (' MM
0%'' (' .:-7' ('' 10** &%:' .- (
-/' /' *- (0' (' -11: 3-(*
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(0' (0*' 2-7'' -/2' & 3-3*/(
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0 :'(' %..* ' : &*' (0*' ':*/2* ' ::'
&0%3-/' '*/'*' 2 (0')* &:: H #

40' < B.-' GE-HC</ 4A' H<5.' BC.' /B ' 5=-.' G .</<4B' B</L :' 4' /=5.' -./G.HB/'6 >EB' 4=B' 4' < : = ' -.H. K 4A' G-./.4B/' C.

A=K.-4=-3/' >.-< B@' ' C<K.' < -.<0@' /G=L.4' = ' -' C4=' A<K.' E/' /.B/' = ' BC.' = 0' A= 0' <40' / K.-' H= 4/' = ' -.HB<4AE <-' =-5'' &;C HC' 5<L.' G-.BB@' 4.HL <H./' =-' 0<EACB.-/' -' #<&' /<4=' #E5<L HC '' =4.' = ' BC.' 5.-HC<4B' G-4H./'' -=5' ;C=5' ;=' -.H. K.0' 5<4@' L 404.//./'' >-=EACB' <' >.<EB E' /G.H 5.4' = ' BC.' <-A.' =K<' H= 4/' = ' A= 0'' < /=' = ' BC.' = 0.4' B 5.' -')=0<' /.4B' =4.' = ' 5@' 0<EACB.-/' <' /G .40 0' A =K.&>=N' = ' BC.' 4./B' <4H .4B' <HME.-&;=-L! <40' /=' =-BC

EB' ' 5E/B' 4=B' H=4H EO.' BC /' <HH=E4B' = ' /<L<' ; BC=EB' <' ;=-0' = ' <GG-.H <B =4' = ' BC.' 4.' >E 0 4A/' <40' >.<EB E' 5<HC 4.-@' = ' BC.' 5G.-<' 5 4B' =/B' = ' BC.' 5<HC 4.-@' ;</' 5G=-B.0'' = ' H=E-/.'' -=5' E-=G.'' <40' .-.HB.0' <40' =-A 4<@' ;=-L.0' E40.-' E-=G.<4' H<-.(' >EB' BC.' 4E5>.-' = ' E-=G.<4/' 4=;' -.5<4 4A' /' 5 B.0'' ' >. .K.'' B=' =4.' =-' B;='' <40' BC.' /5< .-' 5<HC 4./' 4=;' -.ME -.0' <-.' 5<4EI <HBE-.0' 4' BC.' H=E4B-@' C.' /L ' ; BC' ;C HC' BC.' K<- =E/' 0.G<-B5.4B/' <-.' H<-- .0' =4' >@' 4<B K./' /' K.-@' -.5<-L<> .'' /=5.' = ' BC.' 0EB./' 4' ;C HC' /G.H <' 0.NB.-B@' <40' ME HL4.//' = ' .@.' <-.' 4.H.//<-@' >. 4A' G.- =-5.0' 4' <' 5<44.-' ;C HC' H=E 0' C<-0 @'' ' <B' < '' >.' 5<BHC.0' >@' <4@' =BC.-' G.=G.' C.' B-<' = ' BC.' G@N' /' H<-- .0' =EB' </' ; BC' E/'' <40' BC.' -./E B/' HC.HL.0' 4' /=5.' =-.A4' H=E4B-./' Ž C.' 5=0.-4' H= 4/' <-.' K.-@' C<40/=5.@' 0./A4.0' C.' 4<B =4<' B-<0 I B =4/' =GG=/.' BC.' /B<5G 4A' = ' BC.' 5<A.' = ' BC.' 0 K 4.@' 0./H.40.0' L<0=' EG=4' BC.5'' <40' /=5.' B 5.' ; ' G-=><> @' @.B' . <G/.' >. =-.' BC /' /' >-=EACB' <>=EB' /' 5<J./B@3/' 5G.-<' <40' <5 @' H-./B/' =-' ><0A./'' BC.' '' R*' <40' ' ; BC' ;-.<BC/' <40' B<//./' <40' ><44.-.B/' >.<- 4A' BC.' /E4' <40' BC.' 5==4'' <0=-4' =4.' /0.' = ' BC.' A= 0' H= 4/'' ;C HC' <-.' K.' 4' 4E5>.-(BC.' =BC.-' /0.' >. 4A' 0.H=-<B.0' ; BC' <' /G .40 0' 0-<A=4' <40' .A.40' -=E40' C.' / K.-' H= 4/' >.<-' <' / 5 <-' 0-<A=4' <40' .A.40' =4' =4.' /0.'' <40' BC.' $' H-./B' ; BC' ;-.<BC/' <40' B<//./'' <40' BC.' H= 43/' 0.4=5 4<B =4' =4' BC.' =BC.-' ' >EB' BC.' /5< ./B' H= 4/' 4' A= 0' <40' / K.-' C<K.' 5 .0' .0A./' C.' 4.;' / K.-' Q' B-<0.' 0= <-' R' 0=./' 4=B' A-.<B @' 0 .-' 4' <GG.<-<4H.'' 4=-' 4' /?.' <40' ; .ACB'' -=5' BC.' Q=4.' @.4' R' G .H.'' BC.' 2 ' >. 4A' BC.' <G<4./.' 0= <-' B' C</' <B.@' >..4' 4=B .0' BC<B' BC.' B-<0.' 0= <-'' ;C HC' ;</

S ! ') /

=- A 4< @' H= 4.0' =-' BC.' H=4K.4 .4H.' = ' H=5 5 .-H.' <B' BC.' =G.4' G=-B/'6 <40' ; </' HE--.4B' =4 @' <B' BC=/.' G=-B/'6 ; ' C.4H.I =-BC' >.' 5<0.' E4 K.-/< @' HE--.4B'6 <40' 5<@' BC.-. =-.' >.' E/.0' 4' 5<L 4A' <40' -.H. K 4A' G<@ 5 .4B/' = ' B<N./' <40' 4' < ' =BC.-' GE> H' <40' G- K<B.' B-<4/<HB =4/'6 >=BC' 4B.-4< ' </' ; . ' </' .NB.-4< ' C.' >-=4?.' H= 4/' 0=' 4=B' 0 .-' 5 <B.- < @' 4' 0./ A4' -=5' BC=/.' = ' / K.-'6 >EB' 4=4.' = ' BC. -' .0A./' <-.' 5 .0' C.' = =; 4A' <-.' BC.' H= 4/' /B-EHL' <B' BC.' 5 4B'6 K ? 1 :

:2	:)*	# ..*
I ' */	' */	I' */
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	"' */	

' G' B=' BC.' 5 00 .' = ' </B' @.<-' D , F' BC.-.' C<0' >..4' H= 4.0' <B' BC.' /<L<' 5 4B' 4.<- @' P" " '=E4H./' = ' A= 0'6 2P" " '=E4H./' = ' / K.-'6 <40' " " ' = ' H=GG.-' H= 4/'6 = ' <' B=B< ' K< E.' = ' <>=EB' P" " ' 0= <-/'6 =-' 4.<- @' U ," " ' /B.- 4A ' C.' ; . ACB' <40' 4E5>.-' = ' A= 0'6 / K.-'6 <40' >-=4?.' H= 4/' /B-EHL' 0E- 4A' </B' @.<-' D.40 4A' E4.' P '6 , F' ; .-.' </' = =; /1 :

! .4=5 4<B =4	. ACB' -=@' =?	E5>.-
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+ 3*/''3-:: $1(% *'B%*'10:2 */ '(' (' -8- < -2' (' - -
$ % 8 9% -:6.:-1*'' &'(0*' 8-2 ' 3=' &'(0*' +- 6; 2' 5 / '
: - '*2')* 6=*2' ::-;*' ; -)*7- 2' 1*/* 7)* ' /-) ;-(/ '
0*' -/1 */(' (*3 .:*'' &' 6%5 *:1' &'9%220- #-) /;'' &'$ /1*'
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1 (7 %.' &' 0 /('(*3 .:*'' /*-' -8- ', -. -/*'*' /(* *'
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' ;</' 4' H=4/.ME.4H.' = ' <' /B-=4A' 0./ -.' = ' 5@' = ;4' B=' K / B'
<-<' BC<B' =E-' B- G' B=' BC<B' <4H .4B' H B@' ;</' E40.-B<L.4'
#4=; 4A' BC<B' B' C<0' >..4' BC.' H<G B<' H B@' = ' <G<4' 5=-.'
BC<4' =4.' BC=E/<40' @.<-/' <A='' BC<B' B' /B ' H=4B< 4.0' BC.'
H. .>-<B.0' 5=4/B.-' 5<A.' = ' BC.' A-.<B' E00C<'' BC<B' B/'
B.5G ./'' /C- 4./'' <40' .HH ./ </B H<' B-.</E-./' ; .-.' = ' C AC'
<4B ME B@'' <40' BC<B' B' H=E 0' >.' -.<HC.0' 4' <' . ;' C=E-/' -=5'
/<L<'' ' /EAA./B.0' BC<B' B' ; =E 0' >.' <' 5 /B<L.' B=' G</// B' >@'
E4=>/.-K.0' C.' /EAA./B =4' ;</' 5 5.0 <B. @' B<L.4' EG' >@'
5@' - .40/'' ; C=' <B' =4H.' /.B' <>=EB' BC.' 4.H.//<-@' <--<4A.I
5.4B/' ' /C=E 0' C<K.' >..4' ME B.' /<B / .0' B=' B<L.' BC.'
HC<4H.' = ' /EHC' <HH=5 5=0<B =4' </' 5 ACB' >.' =E40' BC.-.'' >EB'
BC.' <E/G H./' E40.-' ; C HC' ' ;</' /.. 4A' BC.' H=E4B-@' GEB' BC /'
=EB' = ' BC.' ME./B =4' @' -/B' 0.<' ;</' B=' /B<-B' K.-@' .<- @'
4' BC.' 5=-4 4A'' <40' -.BE-4' BC.' /<5.' 0<@'' .5G =@ 4A' -. <@/'
= ' ' 5.4(>EB' BC /' ;</' H=4/ 0.-.0' B=' >.'' ' 4=B' 5&

G-<HB H<> .'6 <B5 .</B5 K.-@5 E40./ -<> .'6 ./G.H < @5 </5 BC.5 0<@/5 ; .-.5 /B 5 /C=-B5 <405 BC.5 BK.<BC.-5 E4H.-B< 4 5 B5 ; </5 BC.-.I =-.5 -./= K.05 B=5 /B<-B5 <>=EB5 B.45 =3H =HL5 =45 .04./0<@'6 2 /B5 = 5 .>-E<-@'6 G-=H..0 4A5 >@5 BC.5 -=E40<>=EB5 -=EB.5 BC-=EAC5 <L<5 =45 <HH=E4B5 = 5 BC<B5 >. 4A5 5EHC5 .//5 C @5 BC<45 BC.5 0 -.HB5 -=EB.'6 <405 BC.-. =-.5 G-. .-<> .5 =-5 BC.5 0-<EACB&5.4'6 BC=EAC5 = 5 A-.<B.-5 .4ABC 5 <L<5 ; </5 =4 @5 <>=EB5 /.K.45 <405 <5 C< 5 4A /C5 5 ./5 -=55 =E-5 -./ 0.4H.5 45 /<L<'6 >EB5 B5 ; </5 <--<4A.03 =-5 E/5 B=5 K / B5 <5 H<-G.B&5<4E <HB=-@5 <405 B=5 B<L.5 B 45 <B5 BC.5 C=E/.5 = 5 <5 A.4B .5<45 BC.-.'6 ; BC5 BC.5 5<@=-5 = 5 <L<'6 G.- =-5 4A5 BC.5 -./B5 = 5 BC.5 J=E-4.@5 >. =-.5 =E-5 .K.4 4A5 0 44.-5Z

B5 ; </5 <5 =K. @5 5=-4 4A5 ; C.45 ; .5 /B<-B.0'6 ; BC5 <5 ; <-55 /G- 4A5 /E45 /C 4 4A'6 <405 .K.45 BC.&5.45 ; C=5 C<05 B=5 0-<A5 E/5 BC.5 B; .4B@&/.K.45 5 ./5 B=5 <-< : =-5 BC.@5 BC.5/. K./5 =>I J.HB.05 B=5 BC.5 .5G =@5.4B5 = 5 -. <@/ : ; .-.5 5 .--@5 <405 A <05 </5 ; .5 -<BB .0=EB5 = 5 BC.5 5G.- < 5 5 4B5 H=5G=E40'6 <5 G<-B@5 = 5 <>=EB5 5 /=5.5= 5BC.5@=E4A.-5<405/5< .-5 5.45 - 0 4A5 0=E> .'6 ; BC5 BC-..5 5.45 B=5 .<HC5 " 5 .NH.GB5 ; C.-.5 BC.5 =<0/5 ; .-.5 ACB5 <405 ; C.-.5 B; =5 /E H.05 C.5 A-.<B.-5 G<-B5 = 5 BC.5 H B@5 = 5 /<L<5 C<05 B=5 >.5 B-<K.-/.0'6 <405 <5 K.-@5 <-A.5 H B@5 B5 G-=K.05 B=5 >.5 4 5 H-=// 4A5 BC.5 /G<H.5 >.B; ..45 B/5 /=EBC.-45 >=E40<-@5 <405 <L<'6 4H E0 4A5 5<4@5 /E>E-><45 G <H./'6 ; .5 /..5.05 B=5 >.5 G</// 4A5 BC-=EAC5 <45 < 5=/B5 H=4I B 4E=E/5 B=; 4'6 E4B 5 ; .5 -.<HC.05 BC.5 >=E40<-@5 >- 0A.5 = 5 <L<'6 ; C.-.5 BC.5 /.H-.B<-@5 = 5 BC.5 A=K.-4=-5 = 5 BC.5 0 /B- HB'6 <405 BC.5 C.<05 = 5 BC.5 0 /B- HB5 G= H.'6 5.B5 E/'6 <405 E40.-B==L5 BC.5 H=40EHB5 = 5 BC.5 G<-B@5 =-5 BC.5 -./B5 = gSC.5 J=E-4.@5 C.5 ; C= .5 B=; 45 = 5 <L<5 <GG.<-.05 B=5 C<K.5 C.<-05 = 5 BC.5 K / B'6 <405 B=5 C<K.5 BE-4.05 =EB5 < =4A5 BC.5 4.5 = 5 -=EB.5 B=5 4/G.HB5 <40'6 .B5 E/5 C=G.'6 B=5 <05 -.5 E/ : <5 H -HE5/B<4H.5 ; C HC5 A<K.5 E/5 BC.5 A-.<B5 <0K<4B<A.5 = 5 -.BE-4 4A5 BC.5 H=5G 5.4B5 >@5 =>/.-K 4A5 <405 <05 - 4A5 BC.5 5 B5 ; </5 <45 .NH. .4B5 =GG=-BE4 B@'6 </5 B5 G-=K.0 : BC /5 B- G5 B=5 <-<'6 0E- 4A5 ; C HC5 5 /<;5 4=5 E-=G.<45 <H.5 ; C<B.K.-'6 .NH.GB5 5@5 /=43/ : B=5 /..5 BC.5 G.=G .5 = 5 BC.5 H=E4B-@5 </5 BC.@5 0< @5 K.5 <405 5=K.5 <5=4A5 BC.5 5/. K./5 .5 4=B H.05 45 <L<'6 </5 ; .5 C<05 < -.<0@5 0=4.5 45 /<L<'6 BC<B5 BC.5 4=B =45 = 5 BC.5 <G<4./.5 >. 4A5 < 5=/B5 E4 K.-/< @5 <5 /5 < 5 -<H.

/C=-B$ C $ <40$ =K.-$ <4$ =G.4$ G < 4'6 ; C HC$ G-./.4B.0$ <$ G.HE <-$ <GG.<-<4H.'6 -=5$ BC.$ 4E5>.-$ = $ * $ D .K.-/$ =-$ -< / 4A$; <B.-$ -=5$ G B/$ <40$ 0 /B- >EB 4A$ B$ =K.-$ BC.$ <40F'6 ; C HC$ /B==0$ EG$ L.$ ACB$ 5</B/$ >@$ CE40-.0/($ BC.$ A-=E40$ C.-.$ >. 4A$ <>=K.$ BC.$ - K.-$ .K. /'6 <40$ BC.-. =-.$ -.ME - 4A$ /G.H < $ 5.<4/$ =-$ B/$ -- A<B =4 $ /$ BC.$ .K.$ = $ BC.$ <40$ H-=//.0$ >.H<5.$ = ; .-'6 BC./.$) $ >.H<5.$. ; .-$ 4$ 4E5>.-'6 <40$ >. =-.$ =4A$ < B=A.BC.-$ 0 /<GG.<-.0$ C.$ -<4A./$ = $ C /$ 4$ -=4B$ = $ E/$ X ; .-.$ .NB-.5. @$ G HBE-./ME.($ BC.$ <40/H<G.$ >.B ; ..4$ BC.5$ <40$ E/$;</$ >.-< @$ /EGG .0$; BC$ B-../($ =HH</ =4< @$ BC.-.$ /B==0$ EG$ =EB$ = $ BC.$ G < 4$ <-A.$ <-B H < $ 5=E40/'6 /E-5=E4B.0$; BC$ H E5G/$ = $ G 4.&B-../'6 <40$ /E-I -=E40.0$; BC$ 5=<B/($ - K.-/$ <40$ /C..B/$ = $; <B.-$ >- ACB.4.0$ BC.$ <40($ <40$ B.5G .$ -== /$ <BB-<HB.0$ BC.$.@.$ B=$ 5<4@$ <$ K <A.$ <40$ /C- 4.($ BC.$ G.=G .'6 H<BHC 4A$ / ACB$ = $ =E-$ <0K<4H 4A$ G-=H.// =4$ = $ $ D<40$ G.-C<G/$ <GG- /.0$ >@$ BC.$ =H<$ G= H.'6 ; C=$ .K 0.4B @$ .NG.HB.0$ E/'6 = $ BC.$ G<//<A.$ = $ /=5.$ E-=G.<4/ : B=$ BC.5$ <$ K.-@$ E4E/E<$ / ACBF'6 / ; <-5.0$ 4$ BC.$ K <A.$ /B-..B/'6 =-$ CE-- .0$ <H-=//$ BC.$. 0/$ -=5$ < $ ME<-B.-/'6 B=$ H<BHC$ / ACB$ = $ E/$ </$; .$ G<//.0($ <40$ =K.-$ < $ BC.$ G-.BB@$ 5=K 4A$ /H.4.'6 <$ /E4'6 ; <-5$ </$ BC<B$ = $ =E-$ 4A /C$ /E55.-'6 G=E-.0$ 0= ; 4$ B/$ -. E A.4H.'6 <4 5<B 4A$ <40$ HC..- 4A$ BC.$ C.<-B/$ = $ < $ C.$ -< /.0$ 5=E40/$; C HC$ $ C<K.$ 5.4B =4.0'6 <40$ = $; C HC$; .$ /< ; $ 5<4@$ =4$ BC.$ -=<0$ B=$ <-<'6 <40$ 4$ B/$ 4. AC>=E-C==0'6 <-.$ BC.$ >E- < &G <H./$ = $ 0.H.</.0$ L<0=/'6 <40$ <-.'6 </$ <$ 5<BB.-$ = $ H=E-/.'6 $ G-./E5.'6 5<0.$ BC.$ / B./$ = $ C 4B=$ /C- 4./$ 4.$ = $ BC.5'6 H=4H.-4 4A$; C HC$ $ C<GG.4.0$ B=$ 4ME -.$ G<-B HE <- @'6 ;</$ BC.$ B=5>$ = $ 4L @='6 BC.$ B ; .4B .BC$ L<0=$ = $ BC.$ G-./.4B$ 0@4</B@'6 ; C=$ -. A4.0$ 4$ BC.$ >.A 44 4A$ = $ BC.$ BC$ H.4BE-@$! ' <40$ <4=BC.-'6 BC<B$ = $ BC.$ B ; .4B@&/.H=40$ = $ BC.* 4.'6 ; C=$ -. A4.0$ 4$ BC.$ /<5.*$ H.4BE-@"'6 4$ <$;==0$ /..4$ =4$ =E-$ - ACB$ C<40$;</$ BC.$ >E- < &G <H.$ = $ BC.$; <-&A=0" $ J 4& .44='6 =4.$ = $ BC.$ 5=/B$ <5=E/$ = $ BC.$ /B $.<- .-$ L<0=/'6 BC.$ / NI B..4BC$ = $ BC.$ 0@4</B@ $ 4$ <HH=-0<4H.$; BC$ <G<4./.$ G-<HB H.'6 BC /$ L<0='6 ; C=$ -. A4.0$ 4$ BC.$ BC -0$ H.4BE-@'6 G$ L.$ BC.$ =BC.-/'6 >.H<5.$; =-/C GG.0$ </$ <$ A=0$ < B.-$ C /$ 0.<BC'6 >EB$ BC.$ 0. H<B =4$ <GG.<-/* B=$ C<K.$ >..4$ =E40.0$ 4$ C /$ H</.$ EG=4

K.-@ /E>/B<4B < 0..0/ <40 /.-K H./ .; </ </ >. =-./B<B.0 BC. /=4 = BC.; <-- =-&ME..4 4AE #=A= ; >= H=4ME.-.0 #=-.< ; BC /EH> 5G=-B<4B -./E B/ BO C.- =; 4 H=E4B-@ Q C-=EAC BC / G.4 4/E < <40 4=B 0 -.HB @ -=5 C 4<"R /<@/ -) - /"9 Q =; .0 BC. 4 E.4H./ ; C=/. H=4 E.4H. ; BC BC. . .5.4B/ = <G<4./ .G-=0EH.0 BC. H K /<I B =4 ; C HC =- B; . K. H.4BE- ./ C</ -E4 B/ H=E-/. 4 BC. / <40 .5G -. = <; <-0.0 BC. A =-@ = BC. H=4ME./B = #=-.< ; C.4H. H<5. .BB.-/ -. A =4 <40 H K /<B =4 B= <G<4 4 < <G<4./. B-<0 B =4/ =- C /B=-@ BC.-. /4=A-.<B.- .5< . HC<-<HB.- BC<4 BC. .5G-.// 4AE DA=0& L. .NG = BF .- 4<5. ; </ L 4<A< <-</C C 5*(CEB /C. /. >.BB.- L4= ; 4 >@ C.- G=/BCE5=E/ B B . = 4AE #=A= =- 4AE BC.; . =-/G=E/. = BC. L<0= C. ; </ .ME< @-.4= ; 4.0 =- C.- >.<EB@ G .B@ 4B. A.4H. .4.-A@ <40 5<-B < K< =E- C. ; </ 4=B =4 @ K.-@ =>.0 .4B B= BC. A=0/ CEB BC.@ 0. ACB.0 B= C=4=E- C.- ; BC BC. - 4/G -<I B =4 C. .<-.0 4. BC.- BC. ; <K./ = BC. /.< BC. <--= ; / = BC. ><BB .& . 0 4=- BC. 0 HE B ./ BC<B ; < B =4 < A-.<B .4B.-G- /./) -.<B </ /C. ; </ 4 C.- = ; 4 G.-/=4 /C. / A-.<B.- 4 BC. <G<4./. .@./ </ BC. 5=BC.- = BC. A=0 = <- + J 4 .44=0"R A==0 0.< = BC.5 -<HE =E/ / 5 N.0 'G 4 BC. -.H=-0.0 C /B=-@ = 4AE <40 C.- A-.<B /=4 J 4 (BC.@ <-. B<L.4 >@ <G<4./ /HC= <-/ 4.K.-BC. .// B= >. E40=E>B.0 @ C /B=- H< HC<-<HB.-/ <40 <-. ; =-/C GG.0 4 5<4@ B.5G ./ 4 <G<4 BC. .5G-.//&5=BC.- </ Q #</C 0< =J 4"R <40 BC. /=4 </ BC. A=0 = ; <- C 5/. Q !=; 4 BC-=EAC BC. H.4BE- ./"R H=4B 4E./ BC. <EBC=- JE/B ME=B.0 Q C. C</ >..4 ; =-/C GG.0 >@ < H </ /. = BC. G.=G . ./G.H < @ Be@ /=0 .-/ ; C= = .- BC. - G-<@.-/ G<@ BC. - K=; / <40 -< /. BC. - K=B K. = .-4A/ B= C 5 <4@ = BC. B-==G/ >. =-. B<L 4A /B.<5.- =- =-5=/< 4 ,S 5G =-.0 C / G-=B.HB =4 4 C / C=4=E- /=5. = BC. 5=/B 5<A4 H.4B B.5G ./ 4 <G<4 C<K. >..4 .-.HB.0 <40 J 5=/B .K.-@ B=; 4 <40 K <A. </ ; . </ 5<4@ <-E-< A-=K. <40 C C</ B/ /C-4. .-.HB.0 B= BC. <G<4./ <-/ . / E/E< @ -.G-.&

/.4B.0 4 C / 5<A./ </ = < - ACB E / /H= ; 4A H=E4B.4<4H. C= 0 4A ; BC <-5 / <L 5>= < >-=<0 B ; =&.0A.0 / ; =-0 4. = BC. <K=E- B./E>J.HB/ = <G<4./.<-B /B/ = < G.- =0/ / BC. A-=EG = AE-./ H=4/ /B 4A = BC./ /C= ; @&>.<-0.0 <L.& 4=EHC 4 H K 0-.//' C= 0 4A BC. 4 <4B = 4AE #=A= 4 C / <-5 /' BC. 5=BC.-/B<40 4A >@ 4 5<-B < -=>./ C. E00C /B/ C<K. H<4=4 /.0 C 5' J 4' </ <HC 5<4 !< =/<B/E"9 =-BC. 4H<-4<B =4 = E00C< = BC. ACB <44.-/ .4H.' <5=4A BC. 0.K=B../ = BC. 40 < < BC' BC / A=0 = ; <- <40 G<B-=4 = ; <-- =-/ / H< .0 <HC 5<4 I 5<4 . ACB($ >< 44.-/F / BC. C 4./. =-5 = < ; <B< 2 . ACB(A >< 44.-/F R

4 BC / B- G B= <-<' </ =4 /=5. =-5 .- =HH</ =4/' ;= H-=//.0 /.K.-< - K.-/ BC. >.0/ = ; C HC C<K. 4 BC. H=E-/. = H.4BE- ./ >..4 -< /.0 H=4/ 0.<> @ <>=K. BC. .K. = BC. <0J<H.4B H=E4B-@' BC. ><4L/ >. 4A -< /.0' = H=E-/.' /B C AC.- 4 /=5.H</./ BC. C AC -=<0 4=; G<//./ E40.- BC. - K.- >.0 >@ < .K. BE44.

B 2 P $; . G<//.0 -=5& BC. =G.4 G < 4' BC-=EAC =-HC<-0/ = G.<HC&B-../ <40 =-<4A.&B-../' 4B= BC. C @ 0 /B- HB' ; C.-. BC. H=E4B-@ >.H<5. 5=-. G HBE-./ME. <40 >.<EB E BC<4 >. =-. @ BC. -=<0/ 0.' <40 .4B -. @ =G.4 B= -=<0 <40 . 0' ; .-. BB . K <A. >E- < &G <H./' ; BC B=5>&/B=4./' E/E< @ = ; <40 /5< /ME<-. H= E54/ = A-<4 B.' >EB /=5.B 5./ = E4/><G.0 =- -=EAC @&/C<G.0 / <>/ = /B=4. ; BC AE-./ /HE GBE-.0 =4 =4. / 0. 4 BC. C I / 0./' = B.4 .5>.00.0 4 BC. ; ==0/' ; .-. /5< B.5G ./ <40 /C- 4./' ; C HC H.-B< 4 @ .4B BC.5/. K.A' -.. @ B= BC. G HI BE-./ME. <40 BC. <-B /B H' ; C<B.K.- 5<@ >. BC=EACB = BC.5 </ 4/B-E5 .4B/ = -. A =4

B 2 S ; . /B=GG.0 <B BC. K <A. = # =LE>E' B= -./B BC.)5.4' <40 B= -. -./C =E-/. K./ ; BC HE*/ = <G<4./. B.<' /G..0 @ -./E5 4A =E- J=E-4.@' =E- H=E-/. .<0 4A E/ BC-=EAC </ G-.BB@ < C &H=E4B-@ </ H<4 >. 0./ -.0' ; BC < / ; B - K.- -E/C 4A G</B BC. -=<0 4 BC / - K.- ; .- .NB-.5. @ /C< = ; >=<B/ DH<--@ 4A <40&G-=0EH. <40 =BC.-

A==0/F'' G-=G. .0' /=5.B 5./' >@'/< /' <0.0'>@' GE/> 4A&G= ./''
/=5.B 5./' >@'B>.' <BB.-' <=4.'' <40' <5=/B' </' -.ME.4B @'>@'
BC.'/B ' 5=-.'G-4 B K.'5.BC=0' = ' BC.' >=<B5.4' ;<L 4A' EG'
BC.'/B-.<5' <40' 0-<AA 4A&BC. -' >=<B' ; BC' BC.5' EHC' = '
BC /' -K.-' B-< H' ;</' 4' HC<-H=<'' <40' 4' ;==0' HEB' 4' BC.'
4. AC>=E-4A' =-./B/'' G-.G<-.0' =-' H=4K.-/=4' 4B=' HC<-H=< '
E-' -=<0' <B.-;<-0/' /B-.BHC.0' <H-=//' <' >.<EB E' K< .@''
-=5' ; C HC' =4.' H=E 0' <B' 4B.-K< /' H<BHC' 0 /B<4B' A 5G/./' = '
; C<B' G-=K.0' <B.-;<-0/' B=' >.' #<-<'' ; C .' <;<@'=4' BC.' - ACB''
=4' <' = B@' 5=E4B< 4' /E5 5 B'' <' ; C B.' K <A.' A .<5.0' L.' <
A-=EG' = ' / K.-' /C-4./' C.' -=<0' <@' BC-=EAC' 5<4@' 5=-.'
K <A./'' BC.' 4C<> B<4B/' = ' ; C HC' ; .-.' 4 .- =-' B=' 4=4.' 4'
BC.' 4B.-./B' BC.@' B==L' 4' =E-' =4A' <40' -<G 0' <40' 4= /@'
G3-=H.// =4'' .0' >@' =E-' <L<' HC .' = ' G= H.'' <-<' >. 4A'
/ BE<B.0' 4' BC.' <L<' 0 /B- HB

B' BC.'K <A.' = ' <B/EB<' ;.' BE-4.0' = 'B=' K / B' BC.' <5=E/'
<40' <4H .4B' E00C /B' B.5G./' = ' =- EJ '' ; C.-.' ; .' ; .-.'
5=/B' H=E-B.=E/ @' -.H. K.0' >@' BC.' B;=' G-4H G<' G- ./B/' <40'
=BC.-' = H</'' ; C=' C=/G B<> @' .4B.-B< 4.0' E/' ; BC' B.<' <40'
H<L./' C /' A-=EG' = 'B.5G./'' ; BC' <' G<A=0<'' ; .-.'< 'B; .K.'
CE40-.0' @.<-/' = 0'' <40' >=-.' BC.' 5<-L/' = ' BC. -' <A.' >=BC'
.NB.-4< @' <40' 4B.-4< @ 9' C.@' G=//.//.0' /=5.' ; =40.- E'
B-.</E-./ : < B.-' BC.' </C =4' = ' 5<4@' = '=E-' C- /B <4' B.5G./'
4' E-=G. : BC.' 5=/B' G-.H =E/' = ' < ' >. 4A' <' G .H. : <4'
.NB 3.5. @' /5< ' G .H.'' >EB' /B ' <' G .H. : = ' BC.' K.-@' >=4.' = '
E00C<' C 5/. ' ' <5' 4=B' ME B.' /E-.'' >EB' ' C<K.' /=5.'
-.</=4' B=' BC 4L' BC<B' BC /' 5=/B' G-.H =E/' -. H'' ; C HC' =E-'
E4 ; =-BC@' .@./' ; .-.' G.-5 BB.0' B=' >.C= 0'' /' 4=' =BC.-' BC<4'
BC<B' ; C HC' ; </' C. 0' 4' BC.' H .4HC.0' C<40' = ' $- 4H.' C=B=&'
LE&B< /C ' ; C.4' C.' ; </' >=-4'' <40' ; </' -.K.< .0' ; C.4' <B' BC.'
<A.' = ' B&0-=' @.<-/' C.' BE-4.0' B=' BC.' .</B'' 4K=L.0' E00C<''
<40' 0 /G <@.0''BC /' K.-@' ; =40.- E' G-== ' = 'C.<K.4 @' <K=E-'
C.' K< E<> .' <40' ; =40.-&; =-L 4A' -. H' ; </' 4H =/.0' 4' <'
/5< ' H-@/B< ' A =>.'' ; BC 4' ; C HC' @=E' H=E 0' >=BC' /..' <40'
C.<-' B' </' BC.' A =>.' ; </' /C<L.4'' BC.' /<H-.0' H-@/B< ' /GC.-.'
>. 4A' /EJ G=-B.0' =4' <' /B<40' = 'H-@/B< '' <40' /E-5=E4B.0' ; BC

<' H-@/B<' H-= ; 4&G .H.' K.-@' 0<@' <B' B ; .& K.' =3H =HL' BC.' G.=G .' ; .-.' G.-5 BB.0' B=' /..' <40'C= ;'>. =-.' BC /' E4ME./B =4I <> .' .K 0.4H.' = 'BC.' A-.<B./B' K.- B@' = ' E00C /5'' BC.' 5 // =4' = ' E00C<' C 5/. ' B=' BC.' .<-BC' ' /' /C= ; 4' B=' E/'' BC /' B-.</E-.' ;</' /.B' =EB' EG=4' <' /G .40 0' / L' H =BC'' BC HL @' .5>-= 0.-.0' ; BC' A= 0'' <40' <0=-4.0' ; BC' H=-0/' <40' B<//. /'' ; C HC' 5<@' C<K.' C<0' <' / A4 H<4H.' B==' 'G-= =E40' =-' 5.' 4=BC.-' K.-@' K< E<> .' B-.</E-.'' ; C HC'BC.' G- ./B/' A.4.-=E/ @' < = ; .0' E/' B=' .N<5 4.' H =/. @'' 4' BC.' 45=/B' H.4B-.' = ' BC.' /C- 4.' B/. '' <40' ; BC' <' H<40 .' B=' E5 4<B.' B'' ;</' <4' 5<A.' 4' ;==0' = ' BC.' /=4' = ' BC.' <5=E/' C=B=LE&B< /> '' H<-K.0' >@' BC.' C<40' = ' BC<B' A-.<B' G.-/=4<A.' C 5/. ' C.-.' ; .-.' < /=' 4E5 .-=E/' ;==0.4' 0= /' = '<4H .4B' 0<B.'' /=5.' = ' BC. 5' -. 5 40 4A' =4.' = ' BC.' K.-@' = 0' A@GB <4' A=0/'' H<-K.0' 4' ;==0' <40' ; BC' G< 4B.0' .@./'' .BH '' ; BC' ; C HC' <- .BB.' .@' C</' .4- HC.0' BC.' 5E/.E5' <B' =E <L'' 4.<-' < -=' C . ' = ' < ' ;</' BC.' H. .>-<B.0' 5<A.' = ' E00C<'' =4' BC.' ><HL' = ' ; C HC' /' BC.' <4H .4B' <40' E4-.<0<> .' C 4./.' 4/H- GB =4' 5.4B =4.0' 4'BC.'G-.K =E/'HC<GB.-'=4'BC.') =0&G.- =0 9' C.-.' ; .-.'BC=/.' L. ; /.' ; C HC' C=B=LE&B< /> ' /'/< 0'B='C<K.'H<-K.0' <40' >=-4.' EG=4' C /' C.<0' < B.-' BC.' <-5@' ; C.4' <' @=EBC

4' <' /.G<-<B.' B.5G .'' ; C HC' <GG.<-.0' B=' C<K.' >..4' /G.H < @' G<B-=4 /.0' >@' BC.' A-<B. E ' H </'/.'' <40' ; C HC' ;</' G-=><> @' 0.0 H<B.0' D< BC=EAC' ' ;</' 4=B' /=' 4 =-5.0F' B=' BC.' A-.<B' A=0' J 4'' ; C=5' 'JE/B' 4= ;'-. .--.0' B='' ; .-.' H=E4B ./!' / ; =-0/'' >= ; /'' 5 --=-/'' <4B.-4/'' A 5 .B/'' =-' /=5.BC 4A' = 'BC<B' /=-B'' <40' =BC.-' <-B H ./' ; C HC' < BC E ' E00C /B/' C<0' BC=EACB' B' ; . ' B=' G-./.4B' <40' .<K.' >.C 40' 4' BC /' G <H. ' B' ;</' 5G=// > .' <B' BC.' B 5.'' <40' /' </' 5G=// > .' 4= ;'' B=' 0=' JE/B H.' B=' BC.' B-.</E-./' = ' BC./.' B.5G ./'' -=5' ; C HC' ; .' C<0' B=' CE--@' < ; <@' <-<& ; <-0/ ' E-' ; <@' <@' BC-=EAC' <' >.<EB E ' K< .@'' ; BC' = B@' C /' < 4A' >.C 40' B /'' <40' = B .-' -<4A./' 4' -=4B' = ' E/'' <40' K <A./' /H<BB.-.0' -.. @' BC-= AC=EB' B/' .NB.4B ' B<L.' -=5' 5@' 4=B.&>==L' BC.' = =; 4A' -.5<-L'' J=BB.0' 0= ; 4' <B' BC /' G= 4B1 Q' =4A' BC.' 4.<-' / 0.' <40' <B' BC.' ==B' = ' @=40.-' C /' <-.' /=' 5<4@' B= ; 4/

=- K <A./ B -B BC.@ /..5 B=.>. < 5=/B H=4B 4E=E/ =-
5<4@ 5 ./ B 5E/B>. 4 BC / =K. @K< .@ : =K. @</ ; .
<0K<4H." =K. @ </ ; . ==L ><HL : BC<B <-< ./"<40 0=
4=B 0=E>B BC<B =4. =- =BC.- = BC. H E/B.-/ = >E 0 4A/ BC<B
; ./.. R C / G-=K.0 < B.- ; <-0/ B=. >. /=" <-<. 4A
BC. <-A./B B= ; 4 BC.4 K / > . =4 BC. . B =-4=-BC = BC.
<40/H<G." CEB /B /.K.-< 5 ./ 0 /B<4B ' 4 L. BC=/. =
5=/B <G<4./. K <A./ BC<B C<0 G-.K =E/ @/..4" BC. C=E/./
4 BC / G<-B = BC. H=E4B-@" <40 HC . @ 4 <40 4.<- <-<
B/. " <-. 5<0. ; C B." <40 <-. H=4/.ME.4B @ 5EHC 5=-.
K / > . <B =4A 0 /B<4H./" <40 4 H.-B< 4 ACB/" BC<4 BC.@
; =E 0 =BC.- ; /. >.

 < =4A BC. -=EB. BCE/ <- GE-/E.0 BC. H=E4B-@ C<0
>..4 -.5<-L<> . =- BC. H<-. <40 H =/.4.// = BC. HE B K<B =4"
<40 ; . /E>/.ME.4B @ =E40 BC<B BC / H=4B 4E.0 < BC. ; <@
B= BC." = 0 H B@ ; C HC ; . ; .-. /..L 4A" <40 0=E>B ./ / <
HC<-<HB.- /B H = <G<4./. <A- HE BE-." <B .</B 4.<- BC.
4./& = BC. A-.<B C AC -=<0/ B 5<@ >. H=4 0.4B @ /< 0
BC<B BC. ; C= . = BC. = ; A-=E40" <40 5=/B = BC. C / 0."
; C.-. 4=B ; ==0.0" ; </ HE B K<B.0 </ BC=-=EAC @ </ <4
4A /C L BHC.4 A<-0.4" BC-=EAC=EB BC. J=E-4.@ -=5 /<L<"
>@ <L< " B= <-<

C. /E4 0 /<GG.<-.0 >.C 40 BC. C /. =-. C< G</B K."
<40 B ; </ < -.<0@ 4.<- @ 0<-L ; C.4 ; . G<//.0 BC-=EAC BC.
<-A= <40 5G=-B<4B B= ; 4 = # =- @<5<(>EB <A< 4 BC. A==0
G.=G . = BC. G <H. 4.0 BC. /B-..B/ =- =E- 4/G.HB =4
C. < - >.A<4 B= A.B 0.H 0.0 @ H= 0" <40 ; C.4 ; . ; .-. /B
B ; = =- BC-.. 5 ./ -=5 =E- 0./B 4<B =4 -< 4 >.A<4 B= < "
<40 H=4B 4E.0 B= BC. .40 = =E- J=E-4.@ = HC..- BC. -
<AA 4A .4.-A ./ BC. " 5.4 5E B G .0 BC. - -.I
/G=4/ K. 4= /./ <5=4A BC.5/. K./" <40 ME HL.4.0 BC. G<H.
; BC< B .4ABC ; .G</ /.0 >.B ; ..4 B ; = <-A. E5 4<B.0
/B=4. <4B.-4/" ; C HC G-=K.0 B= >. BC. >.A 44 4A = BC.
G-./.4B B= ; 4 = <-<" BC. ; C= . .4ABC = ; C HC C<0"
C= ; .K.-" B= >. B-<K. .0" </ ; . ; .-. >=E40 B= =4< 4" BC.
B.5G .&-./ 0.4H. = BC. HC . G- ./B = <-<" /E?<L< .4L< "
; C HC / / BE<B.0 ; BC 4 BC. A<B. = BC. A-.<B B.5G . =
! < &>EB/E C .0 <40 CE4A-@" ; . A <0 @ /B.GG.0 <B </B

-=5 =E- , <40 .4B.-.0 < >.<EB E -./ 0.4H. = GE-. <G<4./. B@G. 4 =4. = BC. G- 4H G< -==5/ = ; C HC ; ./< ; -<5.0 <40 CE4A <4 4/H- GB =4 ; - BB.4 >@ BC. C<40 = BC. G-./.4B L<0= / A4 @ 4A Q -./ 0.4H. = BC. GE-."R =-/=5.BC 4A = BC<B L 40 B <GG.<-/ BC<B BC / C=E/. C<0 >..4 =HHEG .0 >@ C / 5<J./B@ 0E- 4A C / K / B BO <-< /=5. BB .B 5 .<A= BC=/.G<-B/ = BC. C=E/. ; C HC ; ./<; ; .-. K.-@ 4. ; <40 . .A<4B @ E-4 /C.0 <40 G-=><> @ = ; .0 5EHC = BC. -/EG.- =- B@ 4 BC./. -./G.HB/ B= BC. <HB = C / 5<J./B@ C<K 4A /=J=E-4.0 4 B = ; .K.- BC<B 5<@ >. B ; </ <4 .NB-.5. @ G .</<4B -.B-.<B =- =E- G-./.4B G<-B@ <40 5<0. BC. 5=-./ = >@ BC./G..0@ /.-K 4A = <4 .NH. .4B 0 44.- B ;</ 4=B <B < K.-@ <B. C=E- BC<B ; . 5<0. < E-BC.- -.B-.<B B= =E- >.0/ D=4 BC. ==- = H=E-/.F BC.-. 4 5@ = ; 4 H</. <B .</B B= / ..G BC. / ..G = BC. A-<B. E HEG = B.< <B /.K.4 =3H =HL ; BC < >-..?. = -./C 5=-4 4A < - .B 4 -=5 BC. C / ; .-. BC. G .</<4B >.I A 44 4A/ = BC. 4.NB 0<@ <B <-< ; C HC G-=K.0 /= 0. ACBI E BC<B ; ./C< 4.K.- ME B. =-A.B B C=G. C. -< 4 C<0 A=4. <40 BC. /E4 ;</ /C 4 4A >- ACB @ <40 ; <-5 @ </ /B.GG.0 =EB EG=4 BC. K.-<40<C <40 ==L.0 <>-=<0 G-.BB@ <G<4./. A<-0.4 ; BC ; 40 4A ;<B.- <-B /B H< @ B-< 4.0 B-../ <40 /C-E>/ : BC. 5=-. HC.- /C.0 =4./ JE/B =G.4 4A BC. - -<A-<4B > =//=5/ C.-. <40 BC.-. : <40 A-<K. G<BC/ -<L.0 4B= =-4<5.4B< G<BB.-4/ ; BC < ><HLA-=E40 = A-..4 <40 = ; ==0.0 5=E4B< 4 / =G./- / 4A C AC <>=K. < H=5G=/.0 BC. G .</<4B G HBE-. ; . ==L.0 EG=4 <40 -=5 ; C HC -. -./C.0 ; BC / ..G =4. A <0 @ 0-. ; E-BC.- -. -./CI 5.4B /B .C<0 < -.<0@ 0.H 0.0 B= 0.K=B. BC. ; C= . 0<@ B= <-< -.BE-4 4A BC. = = ; 4A 0<@ CEB 4.K.-BC. .//BC.-. ; </ 4= B 5. B= =/.(BC.-. =-. >-.<L </B =K.- ; . /B<-B.0 =4 =E- B=E- = BC. B.5G ./ AE 0.0 >@ .NG.- .4H.0 = H.-/ <40 <BB.40.0 >@ < G .</<4B /.B = <G<4./. H=5I G<4 =4/ <40 4B.-G-.B.-/ ./0./ < .; E-=G.<4 H=<B/ EG=4 /=5. = =E- H=40EHB=-/ BC.-. ; </ 4=BC 4A B= >-.<L 4 EG=4 BC. </Je.HB ; C HC BC / G<-B = BC. = 0 H B@ C<0 ; =-4 =- 5=-. BC<4 < BC=E/<40 @.<-/

/ :*-) /;' (0* ; %/2 & % ' (*3. - 7 *' 2*/1* +*

/B.GG.0' <B' =4H.' 4B='BC.' /C<0= ;' = ' BC<B' CEA7' /B-EHBE-.' BC.' A-.<B' A<B.' = ' BC.' B.5G .' = ' ! < &>EB/E : <4' 55.4/.' <40' 5G=/ 4A' G .'' H=4B< 4 4A' B ;='= ' BC.' H= =//<' H<-K.0' A<B.I L..G.-/' =-' L 4A/' G-.K =E/ @' 0./H- >.0'' = ' K.-@' =-> 00 4A' </G.HB' <40' <BB BE0.'' >EB' ; C='; .-.' .// C 0.=E/' BC<4' =BC.-/' = ' BC.' L 40 ' C /' A-.<B' A<B. ; <@' ; </' =4' =E-' . B(=4' =E-' - ACB'' <B' <' 0 /B<4H.' = ' BC-..' B='=E-' CE40-.0' @<-0/'' ; </' <4=BC.-' A<B. ; <@' B='BC.' A-.<B' B.5G .'' BC.'>-=<0' -=<0'>.B ; ..4' BC.' B ; ='A<B. ; <@/' C<@ 4A' ; 0.' A-<//@' /G<H./' =4' . BC.-' / 0.'' -=5' ; C HC' /G- 4A' 5<4@' <4H .4B' <40' = B@' = 0' B-../ ' C.' /G<H.'>.B ; ..4' BC.' B ; ='A<B./' /' BC.-. =-.' <' >-=<0' <40'>.<EB I E ' G-=5.4<0.' =-' BC.' A-.<B.-' G<-B' = ' BC.' @.<-' E-' -/B' K / B' ; </' B='BC.' <5=E/' B.5G .' = ' BC.') -.<B' E00C<' /' E/E<' 4' <GG-=<HC./' B='<G<4./.' B.5G ./'' BC.-.' <-.' /.K.-<' /C=G/' 4.<-' B='BC.' B.5G .' B/. ' 4' BC.' H.4B-.' = ' BC.' <-A.' =G.4' /G<H.'>.B ; ..4' BC.' .//.-' A<B. ; <@' <40' BC.' B.5G .' /' <4' 55.4/.' <40' K.-@' = 0' >-=4?.' <4B.-4'' <-A.' .4=EAC' =-' <' 5<4' B='/B<40' 4' C /' <4B.-4' ; </' G-./.4B.0' B='BC.' B.5G .' >@' BC.' -.4= ; 4.0' C.-=' <40' /B<B./5<4' =- B=5='' ; C='0 .0' 4' BC.' @.<-' '' <40' /' /.K.4' CE40-.0' @.<-/' = 0' B' /' 4' 0< @' E/.' /B ' C /' B.5G .' ; </' =- A 4< @' =E40.0' <40' BC.' 55.4/.' 5<A.' 5<0.'>@' BC.' L<0=' C=5E'' BC.' =-B@&/ NBC' = ' BC.' G-./.4B' 4.' = ' .5G.-=-/'' <40' BC.' BC -0' = ' <-<'' ; C='0 .0',S ' ' C.' B.5G .' ; </' 0./B-=@.0' /.K.4' CE40-.0' @.<-/' <A='' 4' BC.' B.-- > .' H K ' ; <-/' = ' BC.' B ; . BC' H.4BE-@'' <40' <A< 4' /.- =E/ @' 4JE-.0'' /='BC<B' BC.' C.<0' = ' BC.' A=0' C<0' B='>.' -.H</B'' 4' BC.' /.K.4B..4BC' H.4BE-@' C.' A-.<B' A<B. ; <@'' C= ; I .K.-'' ; BC' 5=/B' = ' BC.' =BC.-' >E 0 4A/' = ' BC /' A-.<B' B.5G .'' C<K.' ./H<G.0' /EHC' 4JE- ./'' <40' < BC=EAC' H=4/B-EHB.0' = ' ; ==0' C<K.' /B==0' </' BC.@' 4= ;' /B<40' =-' 5=-.' BC<4' . .K.4' H.4BE- ./ C.' 4B.-./B' = ' BC /' G <H.' H.4B-./'' = ' H=E-/.'' 4' BC.' A-.<B' A=0' = '>-=4?.' <40' A= 0'' ; C='D/E>J.HB' B='BC.' 5 /HC<4H./' JE/B' 5.4B =4.0F' C</' >..4' BC.' ; =40.-' = ' <G<4' =-' /='5<4@' <A./' G</B ' B' C</' >..4' G=/ B K. @' /B<B.0' >@' /=5.' BC<B' <' H=4/ 0.-I <> .' <5=E4B' = 'A= 0' .4B.-.0' 4B='C /' H=5G=/ B =4'' >EB' BC=/.' =4' BC.' /G=B' /..5' B='>.' E4H.-B< 4' </' B=' ; C.BC.-' BC.' A= 0' .5G =@.0' 4' 5<L 4A' C 5' ; </' 5 N.0' ; BC' BC.' >-=4?.' = ' ; C HC' C.' /' H</B'' =-' <GG .0' /EG.- H < @' B='C 5 ' C<B' 5EHC

C</ >. .4 <GG .0 4 BC. <BB.- ; <@ BC.-. H<4 >. 4=0=E>B <40 4 G <H./ 4 ; C HC BC. A= 0 / K / > . <40 ; C HC H =/. @ .N<5 4.0 B /..5.0 B= 5. BC<B B H=4 =-5.0 B= <4 .NB.-4< 4. = =-4<5.4B 4 .<HC H</. ; C HC ; =E 0 40 H<B. BC<B B ; </ /EG.- H < =4 @ C. 0 5.4/ =4/ = BC / A=0 <-. B-E @ H= =//< / C. ACB -=5 BC. ><//. = BC. /<H-.0 =BE/& = ; .- =4 ; C HC C. / B/ B= BC. B=G = C / C.<0 / 7P . .B <40 <>=K. BC / - /./&< C< = S . .B ; 0. <>=K. ; C HC <A< 4 - /./ =- /.K.-< . .B BC. <5.& L. A =-@ ; C HC <-HC./ 4 BC. ; C= . AE-. C. <H. G-=G.- / 7 . .B =4A B/ ; 0BC . .B C. .@./ <-. P . .B 4HC./ =4A BC. .@.>-= ; / . .B BC. .<-/ . .B C. HC./B / 2 . .B 4 0.GBC B/ 5 00 . 4A.- / . .B =4A -=E40 BC. C.<0 /C=E 0.-/ <40 / 0./ = BC. A=0 4 -=4B = BC. C< = <-. / NB..4 / BB 4A AE-./ /< 0 B= >. . .B =4A C. .<K./ = BC. 5 5.4/. =BE/ =4 ; C HC C. / B/ <-. .<HC . .B =4A <40 7 . .B ; 0. <40 BC.-. <-. B@&/ N = BC. 5 9 C. H</B 4A 5E/B C<K. >..4 ; =40.- E @ ; . .N.HEB.0 < BC=EAC BC. 4.4./ = BC. .< &.0A./ <40 =BC.- G<-B/ ; C HC ; . ; .-. <> . B= .N<5 4. <40 BC. . <>=-<B. .4A-<K 4A ; C HC H<4 >. B-<H.0 EG=4 BC. =BE/& .<K./ 4 BC. E4 4JE-.0 G<-B/ .<K. 4=0=E>B BC<B BC. =E40.-3/ <-B ; </ . <>=-<B. @ /EGG .5.4B.0 >@ BC. . <40 A-<K.- C. H=E4B.4<4H. = BC. A=0 / .//5 0 <40 H< 5

M G 0 2 +-& '(1-'(/ (0 7*- D! (+-(+ 1 2*'(7*2 2% /;(0 3 &+- / ('/ * ;0C = % 0 2 -/2 (0 2 +0 10 -(. *C '*/(*> '(' +-* *1(*2 -= %('*)*/ 0%/2 *2 7*- -; 0 1-'(/;&(:@ 2 +-'(*2 '*)*/ '%11*'')* (3*' =*& * (+-'%11*'')*:7 -11 3.: '0*2 -/2 -= %(! '(/' &10- 1 -+ * %'*2 / (0 .* -(/ 0 ((-+ *;0(& 3*(-: '-= %(D' (/'' P -/2 (1 /' '(' & (0 & :: + /; /C ; *2 */('N

:2 ' " ':='-) 2%. ' / ' J l ' b * 1% 7 ' "D b b # ..* ' J ' b

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G (' ''1-'(/ . *1*''-/2 (0*'*. *1*'' - *5 /*2 (;*(0* '=7 -'8 /2 &' :2* ' 1-::*2 $ % "-/2 +0 10 -/'+* '' (' .% . '*)* 7 '-('&-1(:7 ' ' ' 0*)- %&&L. *1*'' 1 3. ' /;(0* 3-;* - * / (&((*2 (;*(0* ' / -')* 7 & / '0*2 3-//* '=%((0* 1*3*/(8**.'' (0* 5 /(' .* &*1(:7 & ;0(-/2 1: '* ' 0* +0 :*1 /'(%1(/ '' /* +0 10 '0 +' ; *-('0 :-/2 ; /-: ;*/ %'' / (0* 3 >(% * & 3*(-:' '-/2 / (0 ' 3*(0 2'' & 1-'(/;' (0* 3 ' -/2 ('' &% (0* ' /* +0 10 + :: ' / ' 2 %=(' = ' /' ' % 1* &. 2* -/2 ; -(& 1-(/ ((0* , - -/*'* .* .:* & ' 3 -/7 1*/C (% *'' (' 1 3*H ' ' 9 %/(/ 'B ' # ' / W # /': %1( )* (/ , -X@-% F / W -/'-1(/''F & ' -(1 1 *(7 &, - -/

(' 5 4 ' 3' . >')' 1' 7,

= ' .NG-.// =4' BC<4' /' E/E<' 4' 5<A./' = ' E00C<' C.' - ACB' C<40' /' =G.4' <40' -< /.0' EG ; <-0/'' BC.' . B' -./B/' =4' BC.' <G

C.' /E--=E40 4A/' = ' BC /' .4=-5=E/' 5<A.' <-.' 4B.-./B 4A'' /=5.' = ' BC.5' K.-@' >.<EB E ' 4' C /' - ACB' C<40' /' <' K.-@' <-A.' 5<A.' = ' #=LE?='' <40' =4' C ' . B' =4.' = ' BC.' A=00.//' # ; <44=4'' ; C=' C.-.' /..5/' B=' =HHEG@' <' 5=-.' G-=4=E4H.0' <40' 5 5 .0 <B.' </!=H <B =4' ; BC' E00C<' BC<4' E/E<' 4' BC /' B.5G .' = ' ! < &>EB/E'' </' 4' 5<4@' =BC.-/'' BC.-.' <-.' 5<A4 H.4B'' >-=4?.' K</./'' /=5.' G < 4' <40' /=5.' - HC @' A 0.0'' <40' 5<4@' >-=4?.' <4B.-4/' = ' .ME<' 5 .- B' <40' K< E.' C.-.' <-.' < /=' 5<4@' B-.</E-./' = ' <4B ME B@'' ; C HC' ; .' C<0' <4' .NH. .4B' =GG=-BE4 B@' = ' 4/G.HB 4A' </' E @' </' B 5.' G.-5 BB.0'' </' BC.@' ; .-.' <--<4A.0' 4' =-0.-' <-=E40' BC.' B.5G .' 4' <4B H G<B =4' = ' <4' .NC > B =4' /C=-B @' B=' >G' C. 0' 5=4A' BC.5' ; .-.' ; - B 4A/' = ' BC.' <4H .4B' L<0=/' 0. 4.0' <40' G-./.-K.0' >@' BC.' .4A-<KI 4A' = ' BC.' /E--=E40 4A' G<-B/(/=5.' = ' BC.' ; .<G=4/' E/.0' 4' BC.' 4K</ =4' = ' #=-.<' >@' BC.' .5G-.//' 4AE' #=A='' 4H E0 4A' <' <-A.' <40' G= ; .- E' >= ;'' /< 0' B=' C<K.' >..4' BC<B' = ' BC.' .5G-.//' C.-/. ' C.-.' ;</' < /=' BC.' 5G.- <' /B<40<-0' = ' BC.' L<0=') =& ! < A='' = ' BC.' =E-B..4BC' H.4BE-@'' <40' BC.' 0==-' -=5' B .' L<0=3/' G< <H.' =4' ; C HC' BC.' <5=E/' G<B- =B' <4L='' =-' #E/E4=L' </</C A.'' 4/H- >.0' ; BC' BC.' G= 4B' = ' <4' <--= ;' /=5.' G<-B 4A' ; =-0/' .NG-.// K.' = ' C /' <GG-.C.4/ =4' BC<B' C.' ; =E 0' 4=B' -.BE-4' -=5' BC.' ; <-' B=' ; C HC' C.' ; </' A= 4A'' = ' C /' 0.K=B =4' B=' BC.' L<0='' <40' = ' C /' C=G.' BC<B' C /' 4<5.' ; =E 0' K.' =4A' 4' BC.' C /B=-@' = ' C /' H=E4B-@' C.' HC<-<HB.-/' = ' BC /' 4/H- GB =4' <-.' ; . ' G-./.-K.0' <40' G.- .HB @' .A > .' ' =>B< 4.0' -=5' BC.' G- ./B/' ; C<B' /' L4= ; 4' B=' 5<4@' </' <' Q' -E>' R' = ' BC /' 4/H- GB =4' 4' <' <B.-' 0<@'' A= 4A' -=5' /<L<' B=' # =B='' BC.' A=K.-4=-' = ' /<L<' ;</' A==0' .4=EAC' B=' G= 4B' =EB' B=' 5.' <' G 4.&B-..' 4' BC.' K <A.' = ' <LE-<' </' BC.' /G=B' =4' ; C HC' BC /' ; <-- =-'' <4L='' B==L' .<K.' = ' C /' /=4' >. =-.' C.' ; .4B

G 4- ' 2 +/' (' (0-(' ; *-(' =-((:*' /' (0*' +*'(H

4.<-' B=' =A='' ; C.-.'' C /' H=E4/. /' >. 4A' -.J.HB.0'' C.' ;</' A- .K=E/ @' 0. .<B.0' .' A<K.' B=' C /' /=4'' <' >=@' = ' BC -B..4'' BC.' / ; =-0' G-./.4B.0' B=' C 5' >@' BC.' L<0='' 0./ -.0' C 5' B=' ACB' =-' BC.' L<0=' </' C.' C<0' 0=4.'' <40' ; </' <>=EB' B=' 0="

C.' >. .K.0' =-' BC.' </B' B 5.'6 <40' E-A.0' C 5' B=' <K.4A.' C /' 0.<BC' ; C.4' C.' ; </' A=4.' B.-' C /' 0. .<B' C.' GEB' <4' .40' B=' C /' .' C@' H=5 5 BB 4A' ' <40' <' <-A.' 4E5>.-' =' C /' = = ; .-/' 5 B<B.0' C /' .N<5G .'6 </' G-.K =E/ @' /B<B.0' B' /' /< 0' BC<B' BC.' /=4' 0./ -.0' B=' 0=' BC.' /<5.'6 >EB'>. 4A' G-.K.4B.0' >@' C /' 5=BC.-' >.H<5.' <' /= 0 .-' <' . ;' @.<-/' < B.- ; <-0/'6 <40'6 L.' C /' <BC.-'6 =EACB' <40' 0 .0' =-' C /' /=K.-. A4 9 EB' ' 5 E/B'C</B.4' =K.-' BC./.' B-.</E-./'6 /=5.' = ' ; C HC' ; .-.' K.-@' -.5<-L<> .' 40..0' C.-.' ; </'6 =-' .N<5G .' D<40' ' ' 5 N' EG' BC.' C /B=- H' <40' BC.' <>E =E/' 4' 5@' /E5 5<-@'6 BC.' <-<' G- ./B/' 5E/B' >.' -./G=4/ > .' =-' BC.' 4H=4A-E B@F" : ' BC.-.' ; </' <' /<H-.0' /B=4.' ; BC' <' 0..G' 40.4B<B =4' = ' BC.' K.-@' ==B' = ' E00C<' C 5/. : <' K.-@' <-A.' ==B'6 <40' BC<B' = ' <4' .NB-.5. @' ; . ACB@' G.-/=4<A.'6JE0A*A' >@' BC.' 5G-.// =4' 5<0.' 4' BC.' A-<4 B.' C.-.' ; .-.' < /=' 4=' ./'/ BC<4' =E-' G .H./' = ' BC.' >=4./' = ' E00C<'6 <40' /=5.' = ' BC.' .<B 4A' K.//. /'6 4H.4/.' >E-4.-/'6 <40' =BC.-' <-B H ./' .5G =@.0' >@' C 5' ; C.4' =4' .<-BC'J <40' <' .;' <-B H ./' L.; /.' BC<B' C<0' >. =4A.0' B=' C /' <G=/B ./' C.-.' ; </' <' ; ==0.4' 5<A.' = ' # ; <44=4'6 <40' <' >-=4?.' /C- 4.' = ' C.-/'6 = ' BC.' 0<B.' = ' BC.' BC -B@&BC -0' .5G.-=-'6 ; C=' -. A4.0' 4' BC.' / NBC' H.4BE-@'6 <40' BC.-. =-.' >. =-.' BC.' 4B-=0EHB =4' = ' E00C /5' 4B=' <G<4 ' C /' /C- 4.'6 BC -B..4' CE40-.0' @.<-/' = 0'6 ; </' >.<EB E @' <0=-4.0' ; BC' .4A-<K.0' AE-./'6 <40' =BC.-; /.' C.-.' ; </' <4' = 0' >. ' =-' /=E40 4A' G <B.'6 A K 4A' =EB' 0 .-.4B' /=E40/' ; C.4' /B-EHL' 4' 0 .-.4B' G <H./'6 <40' K.' 5.B< H' 5 --=-/' =K.-' =4.' BC=E/<40' @.<-/' = 0' C.-.' ; </' <4' <4H .4B' B-<@'6 EG=4' ; C HC' C<0' >..4' ; - BB.4'6 >.B ; ..4' =4.' BC=E/<40' <40' . .K.4' CE40-.0' @.<-/' <A='6 ; C<B' /' G-=4=E4H.0' >@' /G.H < /B/' B=' >.' BC.' 5=/B' G.- .HB' ; - B 4A' 4' <G<4 : < BC=EAC' ; C<B' /B<40<-0/' BC.' /G.H < /B/' /.B' EG' ' <5' <B' <' =//' B=' 5<A 4.' B' /' BC.' G-=0EHB =4' = ' #=>=' ! < /C '6 <' K.-@' .5 4.4B' /HC= <-' <40' G- ./B'6 ; C=' ; .4B' B=' #=-.<' <40' C 4<' B=' /BE0@' BC.-.' BC.' L4= ; .0A.' <40' -. A =4' = ' BC<B' G.- =0'6 <40' >-=EACB' ><HL' <4' .5 4.4B' ?.< ' =-' BC.' E00C /B' < BC'6 < B.- ; <-0/' =E40 4A' 4' <G<4' BC.' /.HB' L4= ; 4' </' BC<B' = ' C 4')=4'6 </' G-.K =E/ @' -. <B.0' .' ; </' BC.

<EBC=-' = ' <' <G<4./.' < GC<>.B'" ; C HC' C.' 4B-=0EH.0' K.-@'
.<- @' 4' BC.' 4 4BC' H.4BE-@' = ' =E-' .-< 9' C.-.' ; </' < /=' <4'
.NB-.5. @' K A=-=E/' H=4B.5G=-<-@' 0-< ; 4A' E/B-<B 4A' BC.'
-.>E 0 4A' = ' BC /' A-.<B' B.5G ."' BC.' G- 4H G< ' /E>J.HB' >. 4A'
BC.' B-<4/G=-B' = ' <4' 55.4/.' =A' = ' B 5>.-"' ; C HC' ; </'
H<-- .0' EG=4' <' =E-& ; C.. .0' B-EHL"' <40' 0-&< ; 4' >@' <' <-A.'
H-= ; 0' = ' 5.4' 4/B.<0' = ' <' ; C G' ; C.-. ; BC' B=' </C' BC.'
C<E 4A' H-= ; 0 : </' 4' BC.' H .K.-' G HBE-."' <40' 4=' .//' H .K.-'
5 B<B =4"' >@' -' .44 . ' = ' W C.' /-<. B./' 4' A@GB' 3 : BC.'
G- 4H G< ' HC<-<HB.-' 4' BC.' G HBE-.' ; </' <-5.0' =4 @' ; BC' <'
T' # ' >. 4A"' 4' <HB"' /=' <-' </' ' H=E 0' /.."' BC.' =4 @'
/B 5E <4B/' >-=EACB' B=' >.<-' EG=4' BC.' <>=E-.-/ ' C.-.' ; .-.'
< /=' /=5.' <-A.' <40' 5<A4 H.4B' ; ==0' H<-K 4A/"' <5=4A' BC.5'
>. 4A' =4.' = ' BC.' 5<-B@-.0' /HC= <-' <40' G- 5.' 5 4 /B.-'
EA< ; <-<' HC ?<4."' ; C=/.'><4 /C5.4B' ; </' >-=EACB' <>=EB' >@'
4B- AE.' 4' P' ' .-.'<A< 4' ; </'<' >=N' 4' ; C HC'<' G- 4H.'
5G.- < ' C<0' >..4' GEB' / N' CE40-.0' @.<-/' <A="' <40' H=K.-.0'
; BC' /<H-.0' E00C /B' ; - B 4A/"' <40' BCE/' /5EAA .0' =EB' = '
BC.' G= ; .-' = 'C /' .4.5 ./(C.-.' =4.' = ' <' 5 =4' BB .' BE-4.0'
*5=0. /' = ' <' ME</ &G<A=0<' ; C HC' ; .-.' 0 /B- >EB.0' B ; . K.'
CE40-.0' @.<-/' <A=' <B' BC.' =E40 4A' = ' BC.' 4. AC>=E- 4A'
B.5G .' = ' =- EJ ' D< -.<0@' /G=L.4' = F"' .<HC' H=4B< 4 4A' <'
G<//<A.' -=5' BC.' E00C /B' /H- GBE-./(C.-.' BC.' 5=0. ' = '
BC.' G<A=0<' = 'BC<B' B.5G .' = ' BC.' /<5.' 0<B."' 5<0.' >. =-.' BC.'
G<A=0<' B/. ' ; </' .-.HB.0"' <40' C.-.' >=N./' = ' ' E00C /B'
/H- GBE-./' BC -B..4' CE40-.0' @.<-/' = 0"' 4/H- >.0' 4' A= 0' =4

M G' 0* *' '' -/ (0* '- -/;*3*/(+-'' 1 /( )*2' & ' (0*' .% . '*' &
&'(0*',-.-/*'*''7::-=- 7''- 2'('0-)* &-1 : (-(/;' (0*' 3*3 ' /;' &' (0*'
=**/' /)*/(*2' =7' (0*' . *'(< = 6' '7::-=- 7' 9* /;'2) 2*2' /('+ 2' '
2- '0 ' +0 ' +-'' /*' &' (0*' 3 '((0*' 6+0 :*' 1 3. '*'' (0*' & :: + /;'
1*:*= -(*2' ,-.-/*'*' '10 :- '' (1*:*= -(*2' '(-/A-

W &-=&C<' 4 &C=&C.&B=' HC &- &4E&-E& ; ='
<&A<&@=' B<&-./=' B/E&4.&-<&E'
&4=&=&LE' @<&5<' L.& E& H=&@.&B.'
&/<&L' @E&5.' 5 &/C' .&C &/.&/E 3

4 3'(0*' & '(' (0 **':*((* '' /' (0 '' : W EB 4.' /B=-@' = ' OEH<B =4' 4'
- -/;*3*/((0*' '7::-=- 7' '' 1 3C <G<43 D$C <0. GC <' NC > BF
3 /:7' 1-::*2' (0*' 6 6O-'5%'(' -'' (0*' (' ', -.-/*'*' *: ; %'' *3=:*3' -''
/;:'0' + 2' *$ 5 ! 0-'' =**/' 2*C *:'*+0* *' *>.:- /*2
)*2' & 3'(0*' & '(' (+ ' **8':*((* ' H

, ' '

> E.' G<G.-' C.' 5G.- <' <5 @'" 4' <00 B =4' B=' B/' 0 /I B 4HB =4' </' <' 0@4</B@' </B 4A' BC-=EAC' /=' 5<4@' H.4BE- ./'" <40' B=' B/' 5<4@' =BC.-' H < 5/' B=' 4=B H.'" C</' 0 /B 4AE /C.0' B/. ' <GG<-.4B @' >@' G-=0EH 4A' <' ; =40.- E' 5.5>.-' = ' BC.' >=E/.'" ; C=' >.H<5.' <' C.-5 B'" <40' <HM*E-.0' BC.' -.5<-L<> .' G= ; .-' = ' .<B 4A' <' H.-B< 4' L 40' = ' /C'" <40' BC.4' >-.<BC 4A' =EB' 5<A./' = ' E00C<' -=5' C /' C= @' G/' 4' 5<A.' = ' BC /' /< 4B.0' G.-/=4<A.' /' B=' C.' /..4' C.-. ' =-.' C /B=- H< ' G=/I / > @' <-.' BC.' -<A5.4B/' = ' H =BC./' ; =-4' <B' <-<' ; C.4' B' ; </' BC.' H<G B< ' = ' BC.' .5G -.' . .K.4' CE40-.0' @.<-/' <A=' B' /B-EHL' 5.' </' <' 4=B. ; =-BC@' <HB' BC<B' BC.' 5=0.-4 /G - B' C</' G.4.B-<B.0' <G<4' /=' BC=-=EAC @' BC<B' <4' .NC > B =4' = ' 5=0.-4' ; =-L/' <40' .0EH<B =4< ' <GG <4H./' ; </' B=' >=' C. 0' 4=B' =4 @' 4' BC /' =00'" =EB&= &BC.& ; =- 0' H B@'" 4' BC.' H.4B-.' = ' BC.' H=E4B-@'" >EB' 4' BC.' K.-@' B.5G .' ; C HC' =-' 5=-.' BC<4' =4.' BC=E/<40' @.<-/' C<0' >..4' / A4< /.0' =-' BC.' H= =//< ' HC<-<HB.-' = ' BC.' 0= ' ; C HC' BC.-.' ; </' ; =-/C GG.0

.<K 4A' BC.' A-.<B' B.5G .' = ' ! < &>EB/E'" ; .' </H.40.0' <' K.-@' =4A' ACB' = ' /B.G/'" <40' G-=H..0.0' B=' /..' <40' C.<-' BC.' <-A.' >. '" ; . AC 4A' =K.-' BC -B@' B=4/'" = ' BC.' /<5.' 0<B.' </' BC.*' B.5G .' B' ; </' / E4A' B==' = ; '" = ; 4A' B=' <4' .--=-' 4' BC.' >E 0 4A'" <40'" H=4/.ME.4B @'" ; </' /B-EHL' >. = ; ' BC.' W>=//' 4B.40.0' B=' -.H. K.' BC.' > = ; '" <40' -=5' BC /' H<E/.' G=// > @'" < BC=EAC' BC.' /=E40' ; </' 5. = ; ' <40' G-= =4A.0'" B' ; </' 4=B' GE-.

.' 4.NB' K / B.0' BC.' B.5G ./' = ' A.B/E'" 0.0 H<B.0' B=' BC.' A=00.//' # ; <44=4'" ; C=' <GG.<-/' E40.-' K<- =E/' H=4I 0 B =4/' 4' C.-' B.5G ./ ' C.' -/B' B.5G .' =4' BC /' /G=B' ; </' BC.' /C- 4.' = ' <4' 5<A.' =E40' . .K.4' CE40-.0' <40' B ; .4B@&. ACB' @.<-/' <A='" >EB' BC.' >E 0 4A' ; </' >E-4B' 0= ; 4' <40' -.>E B' =4.' CE40-.0' @.<-/' <A= ' C.' <GG-=<HC./' B=' <40' A-=E40/' <>=EB' BC /' B.5G .' ; .-.' -.5<-L<> .'" .K.4' <5=4A' BC=/.' = ' / 5 <-' /C- 4./' 4' <G<4'" =-' BC.' .NB-<I =-0 4<-@' 4E5>.-'" K<- .B@'" <40' >.<EB@' = ' BC. -' ' D N.0' <4B.-4/F'" 4' /B=4.' <40' >-=4?. ' B' /' 4=B' G=// > .' B=' H=4K.@' -.<0 @' 4' ; =-0/' < B-E.' 0.<' = ' BC.' .NB.4B' B=' ; C HC' BC /' /@/B.5' = ' G-./.4B 4A' <4B.-4/' B=' B.5G ./' /' C.-.' H<-- .0'" =-' < B-E.' 5G-.// =4' = ' BC.' >.<EB@' = ' 5<4@' = ' BC.5"

THE GREAT TEMPLE OF DAI-BUTSU, AT NARA.

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$) / X 1 B . >) 1 ,

./G.H < @ BC./. E >-=4?. B -.< @ ; =E 0 < 5=/B <GG.<- BC<B9 BC. 4A.4E B@ = 5<4 5=K 4A [@ B> 4 H.-B< 4 H=4I K.4B =4< 5 B/ = / ?. <40 =-5 ><0 .NC<E/B.0 B/. 4 A K 4A K<- .B@ B= BC.5 K.4 BC=/. = /B=4. .NC > B A-.<B 0 .-.4H./ = 0./ A4 <40 <-. = B.4 >.<EB E @ =-4<5.4B.0 ; BC H<-K 4A <40 .4A-<K 4A

5E/B =>/.-K. E G<// 4A BC<B BC. <40/H<G. K . ; -=5 BC. C / 0./ =4 ; C HC BC./. B.5G ./ /B<40 / G.HE <- @ 4. <40 B ; </ -. -./C 4A : >=BC <B <-< <40 . /. ; C.-. ; C .K / B 4A < /EHH.// =4 = B.5G ./ <40 =>/.-K 4A BC. 4 4 B. G< 4/ 4.4 C<K. B<L.4 B= A.B < ; <@ -=5 BC. / 5G . . .5.4B/ = -. A =E/ .. 4A <40 ; =-/C G <40 B= 40E A. BC. -E0./B <40 ; 0./B <4H./ 4 /.BB 4A EG BC. - = ; 4 .5> .5/ = ; C<B / 0 K 4. : B= /B.G =HH</ =4< @ 4B= BC. =G.4 < - 4 K . ; = /=5. >.<EB E /B-.BHC = /H.4.-@ <40 BC.-. B ; BC BC. /E4 <40 > = ; 4 =4 >@ BC. >-..?. B= >. BC<4L E BC<B BC. GG ; .- = .4J=@ 4A BC. ; =- 0 <40 ; =-L/ =) =0 / /B H=4B 4E.0 B= E/ ' 40.- /EHC H=40 B =4/ .K.4 BC. 0 /B<4B B.5G ./ <40 G<A=0</ : >. 4A 0 /B<4B : /..5.0 /H<-H. @ B= CE-B BC. >.<EB@ <40 GE- B@ = 4<BE-.

4. = BC /A-=EG = # ; <44=4 B.5G ./ /ME B. < HC<5>.- = BC. A=0/ C. >E 0 4A /4.<- @ . .K.4 CE40-.0 <40 B@ @.<-/ = 0 4.K.- C<K 4A >..4 >E-4B 0= ; 4 </ /= 5<4@ /EHC .0 H./ C<K. >..4 < BC. A=0/ <40 A=00.//./ C.-= <HH=5 5=0<B.0 ; ; =4 @ 5.4B =4 =4. >EB BC<B /C< >. < K.-@ -.5<-L<> .=4. : BC. # ; <44=4 = < BC=EI /<40 C<40/ 4 /B- HB B-EBC BC / /<H-.0 <0@ C<0 4=B >. .K. /= 5<4@ <-5 * <40 C<40/ </ < BC=E/<40 ==L.0 . <B C.- <40 < BC=EAC 0= 4=B /EGG=/. BC<B /< ; BC.5 < H=E 0 4=B H=E4B 5<4@ <4@ 5=-. BC<4 B@ C./. ; .-. < 4 E/. C= ; .K.- C= 0 4A HEG/ =BE/& = ; .-/ 5 --=-/ / ; =-0/ H-=? .-/ 4 <4B C<40/ /5< A=0/ <40 5<4@ =BC.- 4.H.//<-@ <-B H ./ 4=BC.- # ; <C4=4 A=00.// C.-. C</ BC-.. .@./

E- 4.NB K / B ; </ B= BC. C 4B= B.5G . = <HC 5<4 = <5=L 4 H=44.HB =4 ; BC ; C HC / <4 <4H .4B >E 0 4A E/.0 </ < /< .&C=E/. =- BC. B.5G . B / . .K.4 CE40-.0 @.<-/ = 0 <40 / >E B < 5=/B .N<HB @ L. BC. =A&C=E/./ =

5=0.-4 #E// <4 K <A./ >EB /-< /.0 ; . <>=K.B>.A-=E40 C. B.5G . ;</ >E B 4 BC. -. A4 = BC. .5G-.// =L. 4 BC. 5 00 . = BC. . ACBC H.4BE-@

. 4=; K / B.0 < B.<&C=E/. < BB . <-BC.- EG BC. C -=5 ; C HC < K.-@ 4. K . ; = BC. K< .@ ; </ =>B< 4<> . <40 ; C.-. ; . 5<0. BC. <HME< 4B<4H. = < HC<-5 4A A - BC. 0<EACB.- = BC. C=E/. ; C= /G=L. < BB . 4A /C <40 ; C= ; BC C.- HC<G.-=4. H=5G .B.0 B>. B=E- = BC. B.5G ./ ; BC3E/ <00 4A >- ACB4.// B= BC. A 1D:- >- ACB4.// C. K . ; -=5 BC. C=E/. < : /EG.-> H=5 5<40 4A BC. ; C= .K< .@ 4 ; C HC <-< ./ C. =4 @ >E 0 4A 4 BC. ; C= .H B@ BC<B -.5 40.0 =4. 4 BC. .</B 0.A-.. = E-=G. ; </ /..4 4.<- BC. A-.<B G<A=0< < 5 . < ; <@ <40 BC / >E 0 4A . =E40 B= C. =4. = BC=/. 4=-5< /HC== / ; C HC BC. G-./.4B .4 ACB.4.0 <40 G-=A-.// K. A=K.-45.4B = <G<4 C</ ./B<> /C.0 BC-=EAC=EB BC. H=E4B-@

C. C 4B= B.5G . = # </EA< H<5. 4.NB =4 =E- -=EB. ; BC B/ /<H-.0 0..- ; <40.- 4A <>=EB 4 BC. A-=E40/ BC. A=0/ = BC. B.5G . C<K 4A >-=EACB BC.5 BC.-. =- A 4< @ -=5 #</C 5< =E- A=0/ <40 A=00.//. C<K. BC. - /C- 4./ 4 BC /B.5G . ; C HC ; </ >E B <>=EB B ; = CE40-.0 @.<-/ < B.- BC. B.5G . = ! < &CEB/E C. =E- /C- 4./ C<K. C= ; .K.- B= >. -.>E B .K.-@ B ; .4B@ @.<-/ B ; C. ; =-BC ; C . B= A K. BC. 4<5./ </ BC.@ ; .-. A K.4 B= 5. =4 BC. /G=B = BC=/. B= ; C=5 BC./. /C- 4./ <-. 0.0 H<B.0 < BC=EAC BC.@ ; C<-0 @ >. 4B. A > . B= /=5. = 5@ -.<0.-/ <HC /C< C<K. < 4. B= B/.

09 0 A&),8 &0

2 EB/E4E/C 4=L<5

P 5<B/EL=@<4.4=L<5

S 5.=L<5 D0<EACB.- = BC. </B&4<5.0F

>. .K. /C< 4=B C. <- ; -=4A C=; .K.- 4 0.4B @ 4A BC./.0. B ./ </ = =;/ B ; >. -.5.5>.-.0 BC<B 4 BC. HC<GB.- =4 BC. C 4B= . A =4 C<0 =HH</ =4 B= 5.4B =4 BC. A=0/ ; C= 0./H.40.0 -=5 C.<K.4 B= H=4ME.- BC. H=E4B-@ =- 4 A &4=& L=B= <40 A<K. BC. 4<5./ </

(09E 0 EAF.,8 A
):.E .:8 '

@=E4A' K -A 4/' 0-.//.0' 4' -.0' H-<G."6 ; B ' ; B.' -=>./' =K.-"6 <40' <0=-4.0' ; BC' B ; =' <-A.' >E4HC./' =' <-B H <' =; .-/' /B<40 4A' =E8' L.' =-<' C=-4/' -=5' BC. -' =-.C.<0/"6 >< <4H.0' >@' B ; =' A 8' =-4<5 .4B/' G-=J.HB 4A' ><HL ; <-0/' -=5' BC.' 4.HL' C-..' /E-G H.0' @=E4A' 5 .4"6 A B.0' ; BC' <' A-.<8' G= ; .-' =' -. 5< 4 4A' /B.<0@' =-' <' =4A' B 5.' EG=4' =4.' 4=B."6 .0' BC.' 0<4H.' ; BC' K=H<' <40' 4/B-E5 .4B<' 5E/ H' L.'<' <G<4./.' 0<4H./"6 BC.' G-./.4B' =4.' ;</' .4B -. @' E4 L.' .K.-@BC 4A' BC<8' G<//./' =-' 0<4H 4A' 4' E-=G."6 H=4/ /B 4A' -<BC.-' =' G=/BE- 4A"6 <BB BE0 4 / 4A"6 <0K<4H 4A' <40' -.B-.<B 4A"6 <40' =BC.-' /EHC' 5=K.5 .4B/"6 E/E< @' H=40EHB.0' K.-@' / = ; @' 4' BC.' H=E-/.' =' BC.' 0<4H.' BC.' A - /' .<HC' 5<0.' E/.' =' <' >E4HC' =' >. /' ; BC' / L' ><40/' 0.G.40 4A' -=5' B"6 </' E/E<' 4' BC.' C 4B=' 0<4H./ : 4' 5 B<B =4"6 0=E>B .//"6 =' BC.' A=00.//' '?E5 ."6 ; C="6 <HH=-0 4A' B=' B-<0 B =4"6 .5G =@.0' 4' C.-' 0<4H 4A' /5<' >. /' /E/G.40.0' -=5' <' ><5>==' H<4.' C.' 0<4H.' ;</' 4' /=5.' -./G.HB/' G-.BB@"6 </' <' A-<H. E' 5=K.5 .4B/' =' ; . &B-< 4.0' @=E4A' A - /' <-.' /E-.' B=' >.(>E8' C=G.' 8' C<0' 4' 8' /=5.' G-= =E40.-' -. A =E/' / A4 H<4H.' BC<4' ' H=E 0' 0 /H.-4"6 =-' 4' =BC.-' -./G.HB/' 8' ;</' 4=8' B=' >.' H=4/ 0.-.0' 4/G - B 4A' C.@' ; .-.' E4 . A4.0' BC<4L/"6 C= ; .K.-"6 ; C HC' ; .' B.40.-.0' B=' BC.' HC . 'G- ./8' =-' C /' H=E-B./@' 4' /C= ; 4A' 5.' /=' 4B.-./B 4A' <' /G.HB<H . : BC.' -/8' B.5G .&0<4H.' ; .' C<0' /..4' 4' <G<4 .' 4= ; ' B==L' ' ' <40' 0-=K.' B=' <' ><BHC' = ' B.5G ./"6 < ' E00C /B"6 4.<-' BC.' A-.<8' G<A=0<' = ' <-<"6 / BE<B.0' 4.<-' BC.' H.4B-.' = ' BC.' G-./.4B' B= ; 4"6 4' ; C<8' C</' 4= ; ' >..4' B/' GE> H' A<-0.4' =-' BC.' </8' /.K.4' @.<-/"6 E40.-' BC.' 4. ; ' # $ ' C./.' B.5G ./' <-.' < '=K.-'=4.' BC=E/<40' @.<-/' = 0"6 <40' 4' /=5.' = ' BC.5' ; .' 40' <A< 4' BC.' # ; <44=4' = ' =4.' BC=E/<40' <-5/"6 <40' < /=' =4.' = ' / N' <-5/ ' B' ; =E 0' >.' B.0 =E/' C.-.' B=' 0 ; . ' EG=4' BC.' 0.B< /' = ' BC./.' G <H./' = ' ; =-/C G"6 < BC=EAC' BC.@' ; .-.' .NB-.5 . @' 4B.-./B 4A' =-' 5<4@' -.</=4/(E H.' 8' B=' /<@' BC<8' 4' =4.' = ' BC.5' ' ; </' G-./.4B.0' ; BC' <' BB .' H<-K.0' A=0' = ' ; ==0' </' <' /=EK.4 -"6 <40' ' <5' /B-=4A @' 4H 4.0' B=' >. .K.' BC<8' 'C.' /C=E 0' G-=K.' B=' 0=' 5.' BB .' =-' 4=' A==0"6 C.' ; ' 5=/8' </!E-.0 @' 4=8' ; =-L' 5.' <4@' /=-8' = ' 5 /HC . : ; C HC' H<44=8' </' <' -E .' >.' H=4 0.4B @' /< 0' = ' . BC.-' A=0/' =-' 5.4' . =-.' -.BE-4 4A' B=' B 4"6 ; .' ==L.0' <8' BC.' H. .>-<B.0

' 5 4 ' , ' . >')' 1' ,=

<4.4=& <B?'' =-' = ; .- 4A' G 4.'' <' B-. .' ; H "*' ' B' >.' 4=B' B/. '=K.-' . .K.4' > 50-.0' @.<-/' = 0'' /' <B' .</B' 4' BC.' 0 -.HB' /EHH.// =4' = ' <' 4.' = ' G 4.&B-. ./' BC<B' C<K.' =HHEG .0' BC.' /<5.' /G=B' H=4B 4E=E/ @' BC-=EAC=EB' BC<B' G.- =0 ' C /' 4I /G.HB =4' =K.-'' ; .' =/B' 4=' B 5.' 4' /..L 4A' =E-' -. -./C5.4B/'' < B.-' ; C HC' ; .' A<K.' BC.' < B.-4==4' B=' CE4B 4A' BC.' = 0' HE- =/ B@' /C=G/'' = ' ; C HC' BC.-.' <-.' <' . ;' <B' <-<' ; C HC' ' H<4' /B-=4A @' -.H=55.40' B=' BC=/.' ; C=' 0./ -.' B=' G=//.//' BC.5/. K./' = ' /=5.' = ' BC.' -.5< 4 4A' <4B ME B ./' = ' <G<4 ' B' /' ME B.' <' 5 /B<L.' B=' /EGG=/.' BC<B' < ' BC.' = 0' <40' HE- =E/' <40' K< E<> .' BC 4A/' C<K.' >..4' >=EACB' EG' (BC.-.' <-.' 5<4@' -.5< 4 4A'' <40' B=' BC=/.' ; C=' H<-.' =-' BC.5' BC.' B ; .4B@&/ N' 5 ./3-E4' -=5' /<L<' 4' <')' ; ' >.' ; . ' -.G< 0' >@' <' . ;' 0<@/' /G.4B' 4' BC /' <4H .4B'' C /B=- H'' <40' 5=/B' HC<-5 4A' H B@' = ' <-<

E-' -.BE-4' B- G' ; </' <' 0. ACB E ' =4. ' ' G' <B' /.K.4' 4' BC.' 5=-4 4A'' ; .' ; .-.' /==4' /E44 4A' =E-/. K./' 4' BC.' 0. H =E/' >- ACB4.//' <40' ; <-5BC'' ; BC' <' G-.BB@' <40' HE- =E/' A<-0.4' >. =-.' E/'' <40' = 0' B.5G ./'' = 0' ; ==0/'' <40' = 0' C /' < ' <-=E40' E/'' <40' <' /L@' <>=K.' E/' <-' = 0.-' BC<4' < ' = ' BC.5'' <40' @.B' ; -=EACB' = ' 5<B.- < ' </' E4/E>/B<4B < ' <40' .K<4./H.4B' </' <' 0-.<5 ' C.' <BB.40<4B' A - /'' 5=-.' 4E5.-=E/' .K.4' BC<4' =4' BC.' G-.K =E/' .K.4 4A'' B==L' .<K.' = ' E/' ; BC' -.A<-0/' </' 4A.- 4A' </' ' ; .' C<0' L4= ; 4' <40' =K.0' BC.5' < ' =E-' K./'' <40' ; .' ; .-.'' =E-/. K./' =BC' B=' .<K.' >. 4A/' /=' .4A<A 4A' <40' G .</<4B' </' ; .' C<0' =E40' BC.5 ' EB' < ; <@' ; .' ; .4B'' B<L 4A' <4=BC.-' K . ;' = ' BC.' = 0' C=5.' = ' ! < &>EB/E' <5=4A' BC.' C /' BC<B' C<0' /C. B.-.0' BC.' /G=B' =4A' >. =-.' C.' 5<0.' B' /<H-.0 :

G /;' * *' ; *-(' 9%220-' '(2*
. /' 0 '' 1-:3 ' 1 : ''-:' ; 2:8*' +-7'
P* ' (0*' = -2' :: /;')* '' &' #-(0-7
97' (0*' < *-/' -2

/2' '(*. . /;' '(37' '*-'
(0* ' (' 3 %/(' (0*' ; :2*/' : (%'' (0 /*'
&' - -' (0* *' (' %:*' -/2' 3%'*' -: /*
0 %;0' : /;* /;' 1*/(% *' H

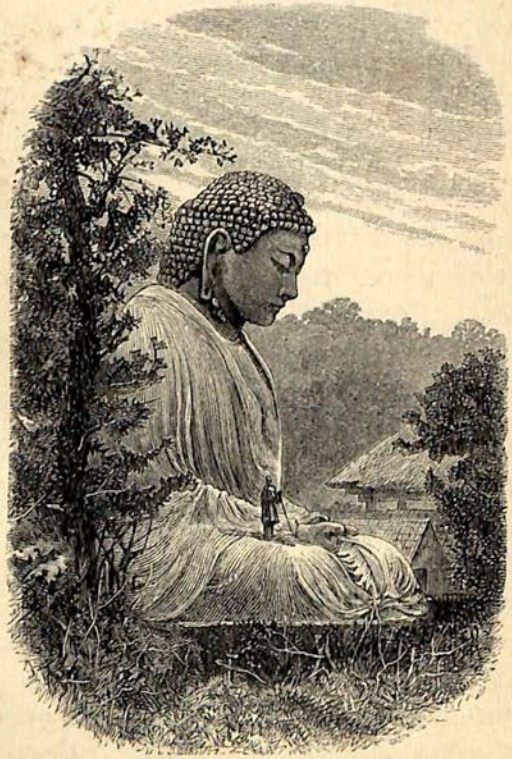
$<// 4A' =4H.' 5=-.' BC.' A- 5' A<B.L..G.-/'' < ; <@' ; .' -= .0'' 5.-- @' BC-=EAC' BC.' 5.--@' 5=-4 4A'' G</B' BC.' = 0' B.5 ./' <40

G<A=0</(<5=4A BC. /B<- 4A G.=G .(>.B; ..4 BC. CEA. <4B.-4/ = BC. G=-B< <40 =4 B= BC. ; ./B; <-0&/G-.<0 4A G < 4 =K.- ; C HC . .K.4 CE40-.0 @.<-/ <A= BC. -0G.- < /<H-.0 H B@ /C=4. 4 =E- - ACB <@ <-A. 5=E40/ BC. B=5>/ = . 5G.-=-/ <40 . 5G-.//./ .<HC =4. = ; C=5 C</ >..4 <A=0 =- <A./ G</B K.- BC. - B=5>/ /G-.<0 H E5G/ = G 4.&B-../ <40 >.4.<BC BC. G 4./ /B<40 BC. - /C- 4./ B= ; C HC < G.=G . -.K.-.4B <40 ; BC H<E/. = BC. - <4H./B-< A=0/ -./=-B B= >-.<BC. =-BC BC. - / 5G .G-<@.-/ >=EB < 5 . <40 <C< -=5 BC. G-./.4B >=E40<-@ ; . -.<HC.0 < K <A. <B ; C HC BC. -=<0 BE-4.0 - ACB <40 . B <40 B ; </ B=BC /G= 4B BC<B BC. <4H .4B H<G B< . NB.40.0 C-.. =E-BC/ = < 5 . =4 BC. /=EBC.-4 -=<03 /B<40/ < G<A=0<* <40 BC / 4 BC=/. = 0 0<@/" 5<-L.0 BC. /=EBC.-4 >=E40<-@ = BC. H B@ C. 5 B/ <-. N.0 >@ BC. 4<5./ = BC. -=<0/ <40 K <A./ ; C HC 40 H<B. BC. <K.4E./ >=E .K<-0/ <40 /B-..B/ G < H B@ C. B.5G ./ <40 G<A=0</ >@ BC. 4<BE-. = BC. - 0./ A4<B =4/ /.-K. B= H=5G .B. BC. 0./ -.0 -.H=-0 C. G<A=0< -. .--.0 B= /B<40/ 4 < K <A. BC. 4<5. = ; C HC / A4 ./ BC. ./B.-4 .5G ./ <40 /L4= ; 4 B=C<K. =-5.0 BC. ; ./B.-4 5 B = BC. H<G B< BC. B.5G ./ -=E40 BC. ! <-&>EB/E >. 4A BC. </B.-4 .5G ./ <40 =-5 4A </ BC.@ 0 0 BC.4 <40 0= 4=; BC. .</B.-4 5 B C. G < 4 =K.- ; C HC BC. H B@ /B-.BHC.0 / 4= ; HE B K<B.0 B= BC. </B 4HC = B >EB < B.- H-=// 4A B B ; </ .</@ =4 ==L 4A ><HL ; BC BC. < 0 = < /B 5E <B.0 <40 /@5G<BC.B H 5<A 4<B =4 B= -./B=-. BC. =-5.- A-.<B4.// <40 A =-@ = BC. G <H. BC. 0 /B<4B G<-B/ DBC=/. ; C HC ; .C<0 -.H.4B @ . BF /B<40 4A EG 4 BC. 5=-4 4A ACB <40 /C 4 4A 4 B G-.H /. @ </ BC.@ C<0 0=4. ; C.4 -.< B@ <40 4=B 5<A 4<I B =4 5<0. BC. 0 /G <@ C. -=<0&/H.4./ BC. K <A.&/H.4./ BC. ; ==0&/H.4./ BC. 5=E4B< 4&/H.4./ BC. - K.-&/H.4./ = BC. -.BE-4 J=E-4.@ B==L BC. - G <H./ 4 BC. >- <4B G<4=-<5 </ ; . /GE4 < =4A (<40 </ B ; </ C<-0 B= ; - B. .K.4 B= BC. . NB.4B = J=BB 4A 0= ; 4 4=B./ 4 BC. .<G 4A <40 JE5G 4A EB /.0 BC. H -HE5/B<4H./ D</ =4 / 5 <-=HH</ =4/F >@ H=5I G=/ 4A K.-/./ 4B= ; C HC ; C=G. /=5. = BC. >.<EB@ <40 BC. /G - B = BC. B 5. =E40 B/ ; <@ B < ME<-B.- G</B =4. ; . .5.-A.0 -=5 BC. A=-A./ = BC. C /<40 <B C< G</B

74=B =; CB.;< /=/<L< </B .<A< 4A BB.-.0 4B .
0 /B<4H.

. =-.-.<HC 4A <L<; .BE-4.0= B=BC./=EBC" 4=-0.-B=
G</BC-=EAC< 4.A-=EG=C 4B=B.5G ./<40/C-4./"H=K.-I
4A" /C=E 0BC 4L" BC -B@B= =-B@<H-./ =5.=BC./5<
/C-4./; .-./=G HBE-./ME." >=BC 4BC.5/.K./<40 4BC. -
/E--= -40 4A/"BC<B=4.;</B-=4A @B.5GB.0B= 4A.-<5=4A
BC.5" <40 B=/L.BHC" C=; .K.- -=EAC @" BC.G-.BB ./B=BC.5
EB BC /=E-B 5.0 0 4=B< =;" <40 ;. ; .-.<> .=4 @ =-<
5=5.4B B=; B4.//BC./E4&A=00.//<K /C 4A C.- ACB EG=4
BC./C-4./<40 /@5>=/-.<-.0 4 C.-C=4=E- 4 .4B.-4A
<L<"=4H.5=-.BC.; C= .G=GE <B=4BE-4.0=EB<=4ABC. 4.
=-=EB."BCE/G= B. @= .-4ABC.5/.K./<A< 4=-4/G.HB=4
ACB 4A<B BC.C=E/.=<G- K<B.A.4B .5<4=; .<BC"; C=
;</E4 =-BE4<B. @B==B=<GG.<-"; .; .-.-.H. K.0 4BC.
L 40./B 5<44.->@BC.5<@=-"; BC; C=5; .; =-.0. ACB.0
B=/..C /.NH. .4H@ 4 /B.-#<;<5E-<"; C=C<0-.H=K.-.0"
-=5<4 40 /G=/B=4;CHCG-.K.4B.0C 5-=5K/B 4A <-<
=E=E40=E-/.K./=4H.5=-. 4<GE-. @ <G<4./.-./0.4H.
=<C AC H<//"=4.==B/ .<BE-./>.4A</5< /CI
G=40"; BCK.-@ <-A.A=0<40 =BC.- /C" .5>.00.0 4BC.
H.4B-.=BC.C=E/. C.&C=E/.;</>.<EB E @>E B <40
0.H=-<B.0" <40BC.5<@=-:;C= /=40=<4B ME B./"</;
/<;=4=E-G-.K=E/K/B:C<0>-=EACB =-=E- 4/G.HB=4<
4.H= .HB=4==0 <G<4./.H=4/"J.;. /"5 --=-/"J<-/"<40
=BC.- <-B H./= K.-@ A-.<B <A. E4HC.=4;</ /.-K.0
E-=G.<4 </C=4 =-=E-H=4K.4 .4H." >EB 5=/B=BC.0/C./
;.-. <G<4./." <40B.<;</E>/.ME.4B @5<0.<40 /.-K.0>@
BC.0<EACB.-/=BC.C=E/." 4BC<B. <>=-<B.<40H.-.5=4 BO
/B@ .; C HC /C=;/ ; BC ; C<B H<-.<40 0. H<H@ .K.4BC.
/ 5G ./B=G.-<B=4/=0=5./B H .5<@>.G.- =-5.0 ; C.4
G.=G.H<4 <=-0 BC.B 5.=-/BEO@ 4A BC.5 C.B;=
- HC @0-.//.0 A -/" ; BC BC. - GE-. <G<4./. <H./" C<-
HE- =E/ @ HEB <40 H=4B- K.0 <B.-BC. </C=4 G BC.H=E4B-@"
L4.. 4A <B BC. - B.<&/.-K H." <40 <BB.40.0 >@ L4.. 4A
/.-K<4B/ 4 BC.><HLA-=E40" =-5.0 </ G-.BB@<G HBE-. </
@=E H=E 0 <4@;C.- 40 .K.4 <5=4A BC. .NME / B. <40
K<-.0 <-B/= <G<4 EB L. BC. G HBE-./= BC./E4&

goddess which we had just passed, it was one over which we could not linger, for we had arrived late, the hour of four was getting near, we were still from one and a half to two hours' distance from our residence in Osaka, and we had to dress for a great dinner, with which the day, as we saw in the last chapter, concluded.



THE COLOSSAL DAI-BUTSU OF KAMAKURA.

$ 6

$

#0-/;*" &/-3* 0*G1 18. (H &,-.-/)-:-(<(6MM 2;/;"
/ -9%220 '(*3.:* 9-(0" &- %7-3- */* -:)*+ &(0*
1(7 *3.:*" &;-'06 (-%'-/2#0 // 0* :8-2 F".-:-1* '
0* *3 * 6;2 0* (0 /*'6 3' '(%27' =*2610-3=* 0*
-.-(3*/(" &(0* *3. *'' 3.* -: ;-2*/' 0/(' (*3.:* -(
03-; 3 '%33* 6'*-(&(0* 8-2 0*' :)* 6'(56*2(*3X:*
Y $-'(3*" &(0*'-1 *2-/2'*1%:-'3 /-10' *3.:*" &(0** ;8(
3:: /' ;2' (0*' (*3.:*')* /3*/(/2%'(-:*'(-=:'03*/("
-/2'10 :' 4*3-:* /3-:'10 : G +**(';:6;-2%-(*"H 2%1-C
(/' &2-/1/;6; :" -/2 $ '=-/B%*(+ (0' 9%220 '(2;/C
(-*' ::%3/-(/' -'07-3- 4'0/;'-/2'=-(/;'/'-3%/C
(-/6)* '.-:-1* (&&/ ,-.-/*'* 3%'1 0* L5' (*3.:*' '
%.*&:%%" ;2' /(0*'9%220 '(=-/B%*(/1*/(',-.-/*'*-/2
#0/*'*(*3.:*2-/1*' $*'*/(' 0*;*/(:* 9%220- /'0'(1-:
>0=(/' '(-7(*-'%*" '$ 1*:-/' + 8" ' 2*7 '0'-(
G#:*-6+-(*' *3.:*H '0'6 (-/ -(/-: 2-/1*' :8 -/2
(0*'&-1(*' (**(''(::' %/(7*

' .04./0<@ BC.' 2SBC' =' .>-E<-@ ;.' . B /<L< =-
=B="BC.' =-5.-H<G B<'=' <G<4' C.4 .0= ;</ 5<0.'
BC.'/.<B'='A=K.-45.4B" <40 C<0 B/'4<5.'HC<4A.0 B= =L ="
=- </B.-4 <G B<"BC.'4<5.'=' # =B= ;</'= H< @'HC<4A.0
B= <L ="=- ./B.-4 <G B<' 4 BC.' =-5.-H</.' =L =
C</'.K.-@;C.-./EG.-/.0.0 .0="> EB .NH.GB 4'A=K.-45.4B
0=HE5.4B/' B/'=0 4<5."# =B="H 4A/' B=' BC.' ;./B.-4 H B@
/B

.K.-<'='=E- /<L< - .40/'H<5.'B=' /..' =E- G<-B@'= '>@
BCJ*B-<4') =K.-4=- <B<E<>.'<40 -') =0<'A K 4A E/' BC.'
C=4=E-'<40 G .</E-.'='BC. - H=5G<4@'=4 BC.'/C=-B -< ;<@
J=E-4.@' C.' -=EB.' ./' BC-=EAC BC.' Q H=HLG B R'= ' <G<4"
+0* * 5<4@' < C<-0'<40 G-= =4A.0 H=4B./B C</' >..4 =EACB"

BC.' </B' = ' ; C HC' ; </' BC.' 0.<0 @' =E-' 0<@/3/B-EAA .' >.B ; . .4' BC.' B-==G/' = ' BC.' L<0=' <E0' BC=/.' = '' BC.' C=AE4'' .<- @' 4' 7 '' ; C HC' -./E B.0' K HB=- =E/ @' =-' BC.' @=E4A' L<0='' <40' A<K*'\C 5' BC<B' E40 /GEB.0' G= ; .-' ; C HC' C.' C</' / 4H.' ; =-BC @' .N.-H /.0

4' -.<HC 4A' BC.' -< ; <@' /B<B =4' <B' # =B='' ; .' ; .-.' 5 .B' >@' BC.' H<-- <A./' = ' BC.' A=K.-4=-'' <40' 0- K.4' <B' =4H.' B=' BC.' E00C /B' B.5G .' = ' #.44 4J '' ; C.-.' ME<-B.-/' C<0' >..4' G-.G<-.0' =-' E/'' ; BC' H<-. E ' -.A<-0' B=' =E-' E-=G.<4' C<> B/'' <40' B=' BC.' 5G.0 5.4B/' BC.@' ; =E 0' 5..B' ; BC' 4' < C=E/.' <0<GB.0' =4 @' B=' BC.' C<> B/' = ' <G<4./.' E-=G.<4' B<> ./'' HC< -/'' >.0/'' <40' =BC.-' / 5 <-' E-4 BE-.' C<0' >..4' G-=K 0.0'' BC.' 5<4E <HBE-./' = ' # =B=' >. 4A' - HC @' E/B-<B.0' >@' <4' <>E40<4H.' = ' >.<EB E ' -EA/'' .5>-= 0.-.0' / L' B<> .' H=K.-/'' ' H A<-&>=N./'' <40' G=-H. < 4' /.-K H./' C.' ; < /' ; .-.' CE4A' ; BC' ' = ' -<-.' 5.- B'' <40' 4' .K.-@' -==5' ; .-.' = 0 4A&/H-..4/' = ' A-.<B' >.<EB@'' /=5.' = ' BC.5' 0 /G <@ 4A' BC.' >./B' =>B< 4<> .' /G.H 5.4/' = ' BC<B' .5>=// 4A' <40' .5>-= 0.- 4A' ; BC' / L' 4' ; C HC' BC.' <G<4./.' <-.' .NH. .0' >@' 4=4.' C.'-==5/' ; .-.' 5<0.' /B ' 5=-.' >.<EB I E ' <40' 4B.-./B 4A' >@' >-=4?./'' G=-H. < 4' AE-./'' <40' <HME.-' ; =-L' = ' BC.' >./B' L 40 ' C./.' <BB.-'' B=A.BC.-' ; BC' BC.' G HBE-./'' ; .-.' HC<4A.0' 0< @' 0E- 4A' =E-' /B<@' 4' # =B=' D</' . /. ; C.-.' 5.4B =4.0F'' B=' 4H-.</.' BC.' <BB <HB =4/' = ' BC.' -./0.4H.' C.' C=E/.' C</' >.<EB E ' A<-0.4/'' EG=4' =4.' = ' ; C HC' =E-' -==5/' A<K.'' <40' 4' /E44@' C=E-/'' = ' ; C HC' ; .' C<0' 5<4@'' ; </' < 5 4 <BE-.' G<-<0 /. : ; BC=EB'BC.' .5><--<//I 5.4B/' = ' <4' K.' 4' BC /' H</.

B.-' B<L 4A' /=5.' B.<'' ; .' /<E4B.-.0' =-BC' B=' BC.' 5 4.-< ' ><BC/' <B' <-E@<5<'' ; C.-.' ; .' H 5>.0' < B= ; .-' <40' =>B< 4.0' < /G .40 0' K . ;' = ' BC.' = 0' C /B=- H' H B@'' ; BC' BC.' H-./B.0' /E5 5 B' = ' =E4B' B<A=' 4' -=4B' = ' E/' ; ./B ; <-0'' <40' -<4A./' = ' C /' 4' .K.-@' =BC.-' 0 -.HB =4 ' =-' . .K. 'H.4BE- ./' BC /' H B@'' @ 4A' BC.-.' >. = ;' E/'' C<0' >..4' BC.' H<G B< ' = ' BC /' .NB-<=-0 4<-@' H=E4B-@'' BC.' A=K.-4 5.4B' = ' ; C HC' C<0' < ; <@/'' BC-=EAC=EB' BC<B' =4A' G.- =0'' >..4' = ' /EHC' < 4<BE-.' </' B=' 5<L.' BC.' H<G B< ' BC.' H.4B-.' = ' B/' 4 E.4H.' .@=40' BC.' H B@'' 4' BC.' /=EBC'' <@' BC.' A-=E40' =4' ; C HC' BC.' A-.<B' <40

$' 6 0 &. ' D - . 0

0.H / K.' /B-EAA ./' =-' BC.' 0=5 4 =4' =' BC.' H=E4B-@' C<0' =K.-' <40' =K.-' <A< 4' B<L.4' G <H.'' BC.' </B' /=' -.H.4B @' </') '' ; C.4' BC.' B-==G/' =' BC.' C=AE4'' ; C=' ; </' /..L 4A' B=' =>B< 4' G=//.// =4' =' BC.' G.-/=4' =' BC.' L<0='' ; .-.' 0. .<B.0' <40' -=EB.0' >@' BC.' =@<' B-==G/'' ; C=/.' K< =E-'' 0 /G <@.0' BC-=EAC' BC-..' 0<@/' =' ACB 4A'' /.HE-.0' =-' <G<4' BC.' -..0=5'' BC.' .4 ACB.4.0' <05 4 /B-<B =4'' <40' BC.' A-= ; 4A' H=4/B BEB =4< I /5' ; C HC' /C.' 4= ;' .4J=@/

B.-' ; B4.`P/ 4A' BC.' >.<EB E' <40' B=EHC 4A' G-=/G.HB' =-' <' B 5. : C<K 4A' .<HC' C /' = ; 4' BC=EACB/'' G-=><> @'' <>=EB' BC.' ..B 4A' <B./' =' H B ./' <40' 4<B =4/'' <40' BC.' H=5G<-<B K.' G.-5<4.4H.' =' BC.' = 0' C /' <40' BC.' 5 5.</E-<> @' = 0.-' /E4' BC<B' ; </' BC.4' /B..G 4A' <' BC.' /H.4.' 4' ; <-5BC' <40' E/B-. :' ; .' /B-= .0' B=' BC.' <-A.' <40' /G .40 0' E00C /B' B.5G ./' =' A</C & B<4' <40' C =4 4' 4' <' ME< 4B' <40' K.-@' >- .' BB .' AE 0.>==L' =' BC.' H B@' -' <5<5=B=' /<@/' =' BT .' =-5 .-1 Q' A</C & B<4' ; </' H=4/B-EHB.0' <>=EB' BC.' @.<-') ! ' < B.-' BC=' C- /B <4' .-<'' <40' B/' 0=' ; </' 0<>E0/'' ; C HC' ; </' BC=EACB' B=' >.' K.-@' /<H-.0' B=' BC.' G.=G .' =-' BC /' -.</=4' BC.' /B-EHBE-.' ; </' H=5G .B.0' 5EHC' 5=-.' A-<40 @' BC<4' <4@' =BC.-/' ' BC 4L' B' 5<@' >.' H< .0' =4.' =' BC.' 5=/B' 0 /B 4I AE /C.0' G <H./'' =-' B' A-<4B/' <' 0. ACB E' / ACB' =' # @=B=' B' C</' <' H=5. @' A<B.' H< .0' #<-<5=4'' <40' >. =-.' @=E' .4B.-' BC.' A<B.' @=E' ; ' 40' <' K.-@' 4 H.' -=<0' ; BC' /C<0@' B-..' /' =4' >=BC' / 0./ R' C /' /' -<BC.-' 5.<A-.' 4 =-5<B =4'' /=' ' ; ' <00' BC<B' A</C & B<4' /' -.< @' BC.' H.5.B.-@' >. =4A 4A' B=' BC.' A-.<B' B.5G .' =' A</C & =4A<4J' D=' ; HC' ' /C< ' C<K.' =HH</ =4' B=' /G.<L' C.-.< B.-F'' <40' /' E40.-' BC.' /<5.' H=4B-= ' B' /' <5=E/' </' H=4B< 4 4A' BC.' A-<K.' =' C 4-<4' C=E 4'' BC.' =E40.-' =' BC.' A-.<B' C 4/CE' /.HB' =' E00C /B/'' </' /B<B.0' 4' BC.' HC<GB.-' =4' E00C /5'' C.-.' /' <' 4=B.0' /B=4.' EG=4' BC.' A-<K.'' L4=; 4' -=5' B/' /C<G.' </' =-< /C ' D A.-&/B=4.F'' ; C HC' ; </' <B' BC.' /G=B' ; C.-.' C 5&<4' C=4 4' 0 .0'' >EB' ; </' B<L.4' 4' 0.@=/C 3/' B 5.' B=' BC.' H</B .' =' $E/C 5 '' <40' >-=EACB' BC.4H.' < B.-; <-0/' B=' B/' G-./.4B' G <H.' C.' >E 0 4A/' <-.' <>=EB' =4.' CE40-.0' <40' 4 4.B@' @.<-/' = 0' C.' 4<5.' B<4 : ; C HC'' </' ; .' /C< 9' < B.-; <-0/' /..'' /' BC.' <5 @' 4<5.' =' BC=' C.<0/' =' BC.' C 4/CE' /.HB :

;</ 0.- K.0 -=5 BC. A-=E40 -/B <GG-=G- <B.0 </ BC. A-<K.&
G <H. = C 4-<4 C=4 4 EG=4 ; C HC 4= ; /B<40/ BC. A-.<B
B.5G . = C =4 4 B= ; C HC ; . 4.NB G-=H..0.0 A</C
B<4 / <5=E/ < /= =- BC. >.<EB@ = B/ 0 /G <@ = > =//=5/
4 /G- 4AB 5.

BC. =BC.- B.5G . C =4 4 - <5<5=B= /<@/1
Q C =4 4 ; C.-. BC. G- =- .NC > B =4 = </B /G- 4A + ,20
B==L G <H. / < <-A. <40 5=/B 5<A4 H.4B B.5G . 4 # @=B=
B ; </ .-.HB.0 >@) .4LE ; E < /EHH.// E G- ./B = BC.
E00C /B -. A =4 =- BC. GE-G=/. = /G-.<0 4A BC. -. A =4
BC-=EAC BC / H=E4B-@ <>=EB BC. @.<- 2 2 < B.- BC. C- /I
B <4 .-< C. G-./.4B .0 H. ; C HC / < ; =40.- E @ <-A.
<40 /G .40 0 >E 0 4A ; </ >E B >@ BC. E/B- =E/ H<-G.4B.-
0<- 4A=-= C.-. / < /= < A-.<B >. BC<B / . .B
C AC -=5 BC. B=G B= BC. >=BB=5 <40 4HC./ BC HL B
/ =4 BC. C B= BC. /=EBC&.</B = BC. .0 H. R

4 BC. = = ; 4A 5=-4 4A ; . H=55.4H.0 =E- /.- =E/
/E-K.@ = BC. H B@ <40 -/B K / B.0 BC. G< <H. = C /
5<J./B@ BC. L<0= .4B.- 4A >@ BC. Q) <B. = BC. E4 R
C / G< <H. <40 A-=E40/ <-. = A-.<B 4B.-./B C /B=- H< @
</ BC.@ .NC > B BC. H=40 B =4/ E40.- ; C HC BC. L<0=
.N /B.0 >. =-. BC. <B. -.K= EB =4 = 7 E4B ; C HC
B 5. C. C<0 >..4 /.H E0.0 </ < /<H-.0 G.-/=4<A. ; C=/. ==B
5E/B 4=B B=EHC BC. A-=E40 <40 ; C= ; </ B= BC. A-.<B >E L
= C / /E>J.HB/ <40 40..0 B= < .K.4 .// <GG-=<HC<> .
BC<4 <4@ =BC.- = BC. - A=0/ B ; </ 4 BC / G< <H. BC<B
BC. .5G.-=-&A=0 0 ; . B(C.-. C. ; </ .4BC-=4.0 C.-. 5<-- .0
C.-. K.0 C.-. 0 .0 C.4 C. ; < L.0 4 BC./. A<-0.4/
5<B/ ; .-. < 0 >. =-. C 5 </ C. /B.GG.0 B= L..G C / ==B
-=5 B=EHC 4A .<-BC <40 ; C.4 C. . B BC. 5 </ C. -<-. @
0 0" C. ;</ H=4K.@.0 4 < <-A. H<-- <A. H =/.0 4 >@ /H-..4/
<40 </ C. G<//.0 < =4A BC. G.=G ./B=GG.0 <40 ; =-/C GG.0
4@ .@. BC<B /< ; C / /<H-.0 =-5 ; =E 0 BC. G.=G . >. .K.0
>. > 40.0 >@ BC. / ACB .-. C. /=5.C= ; C<0"B= .<0 C /
. ; BC 4=4. = BC. 0EB ./ = A=K.-45.4B . B B= C 5 <40
40 4A B 0 HE B 4= 0=E>B B= ; .<- BC. C=E-/ < ; <@ >. 4A <
5=4<-HC <40 @.B < G- /=4.- < A=0 <40 @.B < / <K. `

C. G< <H. >E 0 4A/ 0 .- .NB.-4< @ 4 4= ; <@ BC<B <4

S

<> .'HC . @& -=5'BC.'H -HE5/B<4H.'BC<B' B/' ; < /' ; .-.'BC-=EACI =EB' <0=-4.0' ; BC' 4.' <40' /G - B.0' G< 4B 4A/' = ' ; 0' >.</B/'" K.-@' .K & ==L 4A' >.</B/' 5=/B' = ' BC. 51' ' -. 5<-L.0' BC<B' BC /' /..5.0' <' /B-<4A.' H </' = ' 0.H=-<B =4' =-' <' >.0HC<5>.-'" >EB' ;</' B= 0 : B' /' 4=B' =-' 5.' B=' H=4J.HBE-.' ; BC' ; C<B' H=--.HB4.// : BC<B' BC.' =>J.HB' ;</' B=' /H<-.' 0.5=4/' -=5' BC.' 5G.- <' <40' 0 K 4.' G-./.4H.` 0J= 4 4A' BC.' >.0HC<5>.-'" ; BC' B/' AE<-0' = ' < 4B.0' ; 0' >.</B/'" /' </ 5< ' >EB' /G .40 0' -==5'" 4' ; C HC' C /' 5<J./B@' E/.0' B=' L..G' C /' K< E<> ./'" =-'" </' ' -<BC.-' BC 4L'" BC.' /<H-.0' /B=4.' =-' J. ; . '" <40' BC.' H=G ./' = ' BC.' =BC.-' /<H-.0' /@5>= /' = ' BC.' C 4B=' -. A =4 : BC.' / ; =-0' <40' BC.' 5 --=-'" = ' ; C HC' BC.' =- A 4< /' <-.' <B' BC.' <5=E/' /C- 4./' = ' /.' <40' B/EB<' C.4' H<5.' </G- 4A' -==5' <40' </ /E5 5.-' -==5'" = ' ; C HC' BC.' =-5.-' /' <0=-4.0' ; BC' G< 4B 4A/' = '=4.' CE40-.0' <4 5< /'" ; C .' BC.' <BB.-' ==L/' EG=4' <4=BC.-' .NH..0 4A @' G-.BB@'A<-0.4 ' C.-.' ; .-.' L. ; /.' BC.' E/E<' /5< ' -==5' =-' H.-.5=4 <' B.<&B<L 4A'" <' = ; .-&-==5'" <40' =BC.-' <G<-B5.4B/' ' C.' G<//<A./' = ' B.5G ./' <40' G< <H./' = ' BC /' L 40' <-.' E/E< @' 0.H=-<B.0' >@' G< 4B 4A/' EG=4' BC.' 4<BE-<' ; ==0'" ; C HC' = B.4' C<K.' <' K.-@' G .</<4B' <40' . .HB K.' <GG.<-<4H.(>EB' 4' BC /' 4/B<4H.' ' =>/.-K.0' BC<B' BC.' ; < /' = ' BC.' =4A' G<//<A./' H=44.HB 4A' BC.' <G<-B5.4B/' = ' BC=' .5G.-=-' <40' .5G-.//' <-.' < B=A.BC.-' ; BC=EB' G< 4B 4A/'" <40' < BC=EAC' BC.' .5G-.//' C</' K.-@' HC<-5 4A' ME<-B.-/'" <40' /=5.' = 'BC.' G< 4B 4A/' EG=4' C.-' ; < /' <-.' .NH..0 4A @' A-<H.I E ' <40' G-.BB@'" C.-' -==5/' <-.' =4' BC.' ; C= .' 5EHC' 4 .- =-' B=' BC=/.' = 'BC.' .5G.-=-' .<-' B=' BC.' ME<-B.-/'" = ' BC.' .5G-.//' /' BC.' ; .00 4A&-==5'" 4' ; C HC' BC.' 5G.- <' H=EG ./' ; .-.' 5<-- .0'" ; BC' <' A<B.' H =/.' >@' =-' BC .' <05 // =4' = ' BC.' <0@' ; C=' ; </' B=' C<K.' BC.' 0 /B 4AE /C.0' C=4=E-' = ' >.H=5 4A' BC.' 5=BC.-' = ' L<0=/' 4' BC.' A<-0.4/' ; .-.' <' >- 0A.' =-5.0' = ' <' / 4A .' /B=4.'" /=5.' B-..' B-< 4.0' 4B=' HE- =E/ @' B ; /B.0' =-5/'" <' B.<&C=E/."" <40' ; BC<' <4' .<-BCME<L.&C=E/. : 4=B' <4' E4H=5 5=4' G-=K / =4' 4' BC /' H=E4B-@'" ; C HC'" </' ;=' =E40' ; C.4' 4' =L ='" <GG.<-/' <B' B 5./' B=' >.' =<B.0' EG=4' .<-BCI ME<L./

! .G<-B 4A' -=5' BC=' G< <H."" ; .' G-=H..0.0' 4' =E-' ' ' B=' BC.' A-.<B' C 4B=' B.5G .' = ' #<5=44=@<4=/C 4/C<"

J

BC.' A-=E40' >.@=40' >. 4A' ; . ' ; ==0.0' B' /'' 4' <HB'' ME B.' <' 0. ACB E ' =G.4' G<-L& L.' G <H.'' -./.5> 4A' 4' BC /' -./G.HB' 5=/B' = ' BC.' A-.<B' B.5G ./' 4' BC /' H=E4B-@ : <' >.4. H.4B' H -HE5/B<4H.' =-' BC.' H-= ; 0.0' B= ; 4/' 4' <40' <>=EB' ; C HC' BC./.' B.5G ./' <-.' / BE<B.0 ' C.' >E 0 4A/' <40' /C- 4./' G-./.4B.0' BC.' E/E<' <GG.<-<4H.' = ' BC.' <-A.-' C 4B=' B.5G ./'' <40'' </' BC.' 5=K<> .' HE- =/ B ./' <40' <4B ME B ./' = ' BC.' G <H.' C<0' >..4' .4B' B=' <' =-BCH=5 4A' =H<' .NC > B =4'' BC.-.' ; </' >EB' BB .' B=' /..' >.@=40' BC.' >E 0 4A/' C.' HC . 'G- ./B' <40' C /' </// /B<4B/' ; .-.' K.-@' G ./</<4B' <40' C=/G B<> .'' <40' = .-.0' E/' B.<' <40' > /HE B/' 4' <>E40<4H.' /' ; .' ; < L.0' ><HL' BC-=EAC' BC.' =4A' <K.4E.' ' H=E 0' 4=B' >EB' -.5.5>.-' BC.' 4./' D=' -@<4B'' ' >. .K.F' >.A 44 4A :

G' 0*' ;)*'' +* *' 2F'' !' (*3 .:*' H

' /EGG=/.' /' </B' ; ' >.' BC<B

Q' .5G .' = ' 55=-B<' /G .40=E-' R'

; C HC' C= 0/' BC.' ; =- 0/

G (0 /' ('' - 10 /;' + - ::'' &' 2 - 3 /2' : ; 0 (H

B.-' H-=// 4A' BC.' >.0' = ' =4.' >-<4HC' = ' BC.' #<5=A< ; <'' ; C HC' C.-.' 0 K 0./' 4B=' B ; ='' ; .' <A< 4' H=5 5 BB.0' =E-/. K./' B=' =E-' 5<4&H<-- <A./'' <40' /B<-B.0' =-' <' C / 0.' /E5 5 .-' /.<B' = ' C /' 5<J./B@' BC.' L<0='' H< .0' CEA<LE 4 ' C /' ; .' =E40' B=' >.' <' 4.' ; ==0.0' G<-L'' H=4B< 4 4A' <' <-A.' <-B H < ' <L.' ; BC' / <40/'' <40' E-4 /C.0' ; BC' 4E5 .-=E/' B.<&' <40' /E5 5 .-&C=E/./'' /=5.' = ' ; C HC' = .-.0' 0. ACB E ' K . ; /' = ' BC.' # =B=' K< .@' <40' BC.' B<A=' 5=E4B< 4/' >.@=40 ' .-.' <40' BC.-.'' 4' /. .HB.0' G <H./'' BC.' /E5 5 .-&C=E/.' B<> ./' C<0' >..4' /G-.<0' ; BC' ACB' -. -./C5 .4B/'' <40' EG=4' BC.' <L.' ; .-.' >=<B/'' =4.' = ' BC.5' CE4A' ; BC' <A/' <40' A< <' B-<GG 4A/ ' B' ; </' <' =K. @' /H.4.'' <40' =4.' ; C HC' B' ; </' 5G=// > .' =-' 44=H.4B' G.=G .' 4=B' B=' .4J=@' (<40' ; .' 0 0' .4J=@' B ' .' >=<B.0' <40' /B-= .0' <40' 5=K.0' =E-' 5 40/' =K.-' BC.' <40I /H<G.'' <40' .B' BC.' ME .B' <40' BC.' >.<EB@' = ' BC.' G <H.' C<K.' BC. -' = ; 4' ; <@' ; BC' E/ : <40' ; C<B' <' G .</E-.' B' /' B=' .B' BC.' ME .B' <40' BC.' >.<EB@' = ' <4@' 4<BE-< ' /H.4.-@' 0=' BC<B' 4' BC./.' 0<@/' = ' CE--@ 4A' <HB K B@' ' =EACB' B=' 5.4B =4'' </' G<-B' =

H .K.-' - .40' ; ='" </' JE/B' /B<B.0'" H<-K.0' /' 5<A.'" =4.' =C<5 ' C /' =C<5 ' <GG.<-/' B=' C<K.' >..4' <' . =;' = ' K.-@' K<- =E/' <HH=5G /C5.4B/'" =-'" >./ 0./' C /' H<-K 4A' <40' C /' B.<&5<L 4A'" C.' 0 0' /=5.' K.-@' H .K.-' G< 4B 4A' =4' <' /H-..4'" ; C HC' ;</' /C=;4' B=' E/'" <40' C.' ;</' -.G-./.4B.0' >@' BC.' G- ./B/'" ;C=' ; .-.' A==0' .4=EAC' B=' B<L.' E/' <>=EB' BC.' B.5G .'" B=' C<K.' >..4' <' 5=/B' .<-4.0' 5<4' >./ 0./' .'< /=' /<;' /=5.' 4.' = 0' G< 4B 4A/' >@' BC.' <5=E/' <-B /B' #<4=' </<4=>E'" ;C='" ; BC' C /' /=4'" =E40.0' BC.' #<4=' HC==' = ' <G<4./.' G< 4B.-/' C.' B.<&-==5' 4' BC.' =L 40=' B=' ;C HC' ' C<K.' -. .--.0' /' E-BC.-' 4B.-./B 4A' =4' <HH=E4B' = ' BC.' K / B/' ;C HC' BC.' .5I G.-=-' <>=K.&4<5.0' D)=& /EHC'" ;C=' -. A4.0' S7 & F' E/.0' B=' G<@' B=' =/C 5</<' <B' BC /' G< <H.'"<40' = ' BC.' B.<&B<L 4A' C<B' E/.0' B=' >.' H<-- .0' =4' >@' BC.5' =4' /EHC' =HH</ =4/' 4' BC /' BB .' -==5 ' B' /EHC' B 5./' BC./.' B;= : BC.' /<H-.0' <40' BC.' /.HE <-' 5=4<-HC/' = ' BC.' H=E4B-@'" </' BC.@' 5<@' >.' -=EAC @' H< .0 : E/.0' E-BC.-' B=' <5E/.' <40' 4B.-./B' BC.5/. K./' >@' BC.' .ME< @' C<-5 .//' G-=H.//./' = ' >E-4 4A' <40' /5. 4A' 4I H.4/.' <40' = ' H=5G=/ 4A' G=.B-@' .K.-<' H=5G=/ B =4/' = ' BC.' .5G.-=-'" <40' <-B H ./' L.0' >@' C 5'" <-.' /B ' G-./.-K.0' 4' BC /' B.5G .' =/C 5</<' 0 .0' 4' C /' B@&/ NBC' @.<-'" .<K 4A' 4/B-EHB =4/' BC<B' C /' /.<B' /C=E 0' >.' H=4K.-B.0' 4B=' <' B.5G .' = ' BC.' Q' .4' H' /.HB'" ;C HC' ;</' 0=4.'" BC.' HC . ' G- ./B'" =/C=' CE?< '" = ' C=L=LEJ '" =4.' = ' BC.' G- 4H G< ' .4' B.5G ./' BC.4' 4' <G<4'" >. 4A' <GG= 4B.0' B=' A=K.-4' BC.' 4.;' =4. ' 4H.' BC.4' BC.' <5 ./' = ' /C L<A<'" #=4=@.'" <40' J ='" < ' 4=> .'" C<K.' E-4 /C.0' BC.' HC . /' = ' BC.' B.5G .'" ;C HC'" E4B ' <>=EB' =4.' CE40-.0' @.<-/' <A='" ;</' K.-@' =E- /C 4A' 4' -=4B' = ' BC.' B.5G .' /' <' HE- =E/' ; 40 4A' /B..G&/ 0.0' 5=E40' = ' /<40'" <>=EB' =E-' ..B' C AC'" <40' <' -E/B-E5' = ' <' H=4.' = ' BC.' /<5.' 5<B.- <' /=5.;C<B' C AC.-'" ;C HC' C<K.' >..4' L.GB' EG' .K.-' / 4H.' =/C 5</<3/' B 5.'" < BC=EAC' BC.@' ==L' </' ' BC.' -/B' /C=;.-' = ' -< 4' ;=E 0' A=' <-' B=;<-0/' .K. I 4A' BC.5 ' ' ;</' B= 0'" C=;.K.-'" BC<B' BC.' C=B' /E4' 0=./' 5EHC' 5=-.' 4JE-@' B=' BC.5' BC<4' -< 4 ' C.-.' /' </=' <' 5=/B' =K. @' A<-0.4' C.-.'" >EB' =4.' ; BC' <4' <4B ME.' ==L' <>=EB' B'" /C-E>/'" B-../'" >E 0 4A/' < ' ==L 4A' K.-@'" K.-@' = 0' C.-.' /' <4' = 0' <40' /5< ' /.G<-<B.' B;=&/B=-.0

$' 6 0 &. " ' D - ' . 0

>E 0 4A' L. ; /." ; C HC' A K./' BC.' 4<5 .' = ' Q' K.-&/B=- .0'
.5G .R' B=' BC.' ; C= ."9' B' C</' <' G<- =E-' =-' B.<&-==5'
>. = ;" <40' <' /C- 4.' = ' # ; <44=4' <>=K." < ' ==L 4A" B=' 5."
4.A .HB.0" <40' L. @' /==4' B=' BE5> .' B=' G .H./(' >EB' BC /'
5<@' C<K.' >. .4' <' 5 /B<L.4' 5G-.// =4 ' BC 4' BC.' A-=E40/'
= ' BC /' B.5G .' BC.-.' ; .-.' < /=' /=5.' /5< ' C 4B=' /C- 4./"
; BC' ' <40' .K.-@BC 4A' H=5G .B.' ' C<0' = B.4' >. =-.' /. .4'
BC.' B.5G .' A-=E40/' = ' BC.' B ; =' -. A =4/" E00C /B' <40'
C 4B=" -E44 4A' 5=-.' =-' ./' 4B=' .<HC' =BC.-' <GG<-.4B @(
4=-' ; </' BC /' < B=A.BC.-' /E-G- / 4A" /. . 4A' BC.' . =-B/' 5<0.'
>@' /=5.' = ' BC.' .<- @' E00C /B' 5 // =4<- ./' <40' H=4K.-B/' B='
5<L.' BC. -' = ; 4' < BC' 4H E0.' BC.' C 4B= : . =-B/' H<-- .0' >@'
/=5.' D#=>=&0< /C " =-' 4/B<4H.F' B=' BC.' .4ABC' = ' </ /.-B 4A"
</' G-.K =E/ @' /B<B.0" BC<B' BC.' C 4B=' A=0/' ; .-." 4' <HB"
4. BC.-' 5=-.' 4=-' ./' BC<4' /=' 5<4@' 5<4 ./B<B =4/' = '
E00C<' ' C<0' 4=B' >. =-.' =>/.-K.0" C= ; .K.-" BC.' G-./.4H.'
= ' BC.' /C- 4./' = ' BC.' =4.' < BC' .4B -. @' ; BC 4' BC.' B.5G .&'
G-.H 4HB/' = ' BC.' =BC.-" </' C.-. ' =-' H=E 0' ' A.B' <4@'
/<B / <HB=-@' .NG <4<B =4' = ' BC.' H -HE5/B<4H. ' C<B' 5<0.'
BC.' 5<BB.-' /B ' 5=-.' 0 0HE B" G.-C<G/" ; </' BC.' < .A.0' <HB'
BC<B' BC./.' C 4B=' /C- 4./' 0<B.0' -=5' BC.' =E40<B =4' = ' BC.'
G <H. ' B' ; </' /EAA./B.0' >@' =4.' = ' BC.' <BB.40<4B/' = ' BC.'
B.5G .' BC<B' G-=><> @' BC.@' ; .-.' .-.HB.0' =-' G- K<B.' ; =-/C G'
>@' BC.' =E40.-" =/C 5</<" >. =-.' BC.' H=4K.-/ =4' = ' BC.'
G< <H.' 4B=' <' B.5G .(' >EB' BC.-.' <-.' 0 HE B ./' 4' BC<B'
.NG <4<B =4' = ' BC.' 5<BB.-' ; C HC' <-.' =>K =E/") 4L<LEJ'
; </' K / B.0' >@' BC.' G-./.4B' .5G-.//' = ' <G<4' 4' <4E<-@'

' '
-=5') 4L<LEJ' ; .' 0-=K.' B=' BC.' <5=E/' C 4B=' B.5G ./' = '
=/C 0<" ; C HC" L.' BC.' =-5.-" <-.' / BE<B.0' EG=4' BC.' =G.4'
C @' A-=E40' =4' BC.' 4=-BC&.</B' = ' BC.' H B@" CEB' <-.' /=5.I
; C<B' 4.<-.-' B=' B ' C./.' B.5G ./" ; C HC' ; .-.' >E B' BC-.'
CE40-.0' <40' / NB@' @.<-/' <A=" H=K.-' 5<4@' <H-./'Q= ' <' >.<EB I
E ' ; ==0.0' C " ; BC' <GG-=<HC./' -=5' B/' =GG=/ B.' / 0./'
C.@' =EACB' B=' >.' K.-@' /<H-.0' B.5G ./' 40..0" =-' BC.@' <-.

M ('+-'(0*' /(*/(/' &' '0 3-'-' =%:2 /;' + (0' ':)*' ':*-)*'N' 0*/1*'
('-2 /' (0*' +-::" -/2' 1*: /;' &' (0 '' (0*' /-3*

0.0 H<B.0' B=' 4=' .//' BC<4' . ACB' 5 =4' A=0/'' < ' = ' ; C=5' <-H' A=0/' = ' <G<4'' <40' < ' = ' ; C=5' C<K.' /.G<-<B.''BC=EAC' / ACB'' H=4/ 0.-<B =4' /C= ; 4' B=' BC. 5' 4' BC /' G <H. 9' C.-.' <-.' /.K.-<' /C- 4./' <B' 0 .-.4B' G<-B/' = ' BC.' B. 5G .' A-=E40/'' >EB' BC.' . ACB' 5 =4/' = ' A=0/' <-.' ; =-/C GG.0' 4' =4.' 5< 4' B.5G .'' ; BC' <' /.- ./' = ' /5< ' /C- 4./' <--<4A.0' <-=E40' 4' BC.' =G.4' < -' E40.-' <' B .0' H<4=G@' C.' ; <@' BC.' 5<BB.-' /' 5<4<A.0' /' B C /B C .' 0. B ./' <-.' A-=EG.0' <HH=-0 4A' B=' 0 /B- HB/ : -.BE-4/' C<K 4A' >..4' 5<0.'' ' G-./E5.'' = ' BC.' 4E5>.-' 4' .<HC' 0 /B- HB'' -=5' < ' G<-B/' = ' BC.' H=E4B-@ : <40' BC.' 4<5.' = ' BC.' 0 /B- HB'' ; BC' BC.' </// A4.0' 4E5>.-' = ' 0. B ./'' /' ; - BB.4' EG' 4' .<HC' H</.' ' B==L' <' . ;' = ' BC.' 4E5>.-/' 0= ; 4' </' BC.@' C<GG.4.0' B=' -E4' -=5' =4.' .40'' <40' =E40' BC.5' B=' >.' K.-@' K<- <> .'' K ?' 7'' PS'' ,'' 7'' '' P '' 7 '' , '' 2 '' 2S'' 2S'' '' <40' /=' =-BC' B' ; =E 0' =>K =E/ @' B<L.' <4' 5 5.4/.' 4E5>.-' = ' /C- 4./' B=' 5<L.' EG' BC.' . ACB' 5 =4/'' <B' BC /' -<B.'' =-' C.-.' ; .' C<K.' >EB' <4' <K.-<A.' = ' .//' BC<4' / NB@' A=0/' G.-' /C- 4.(>EB' ' G-./E5.' BC.-.' <-.' /=5.' 0 /I B- HB/' K.-@' 5EHC' 5=-.' =-BE4<B.' BC<4' =BC.-/'' <40' BC<B' ' ; .' H=E 0' C<K.' A K.4' /E H .4B' B 5.' B=' BC.' 5<BB.-' ; .' /C=E 0' C<K.' =E40' /=5.' 4' ; C HC' BC.-.' ; .-.' 0. B ./' >@' BC=E/<40/' <40' B.4/' = ' BC=E/<40/' ' =-.' 4B.-./B 4A' B=' 5.' BC<4' BC /' H=4A./B =4' = ' H=4/.H-<B =4'' ' ' 5<@' /=' /G.<L'' ; .-.' /=5.' = ' BC.' 5 4=-' /C- 4./'' -.G-./.4B 4A' BC.' <4H .4B' <G<4./.' <-HC I B.HBE-.' ' C.-.' ; </' =4.' /EHC' /C- 4.' 4' ; C HC' BC.' =-5' = ' >E 0 4A' 4' K=AE.' B ; =' BC=E/<40' @.<-/' <A=' ; </' <HHE-<B. @' G-./.-K.0"'' <40' <4=BC.-' = ' /.K.4' CE40-.0' @.<-/' <B.-' 0<B.' /C= ; 4A' BC.' /<5.' /B@ .' /=5. ; C<B' . <>=-<B.0' C.-.' ; .-.' < /=' =4' BC /' C ' = ' =/C 0<' BC.' B=5>' = ' /=5.' = ' BC.' L<0=/'' 4H E0 4A' BC=/.' = ' =?.'' ; C=' -. A4.0' 4' BC.' 4 4BC' H.4BE-@' = >!' <40' J='' ; C=' -. A4.0' 4' BC.' B ; . BC' H.4BE-@'' BC.' =-5.-' K 4A' >.@=40' BC.' <A.' = ' . ACB@'' <40' BC.' <BB.-' 0@ 4A' <B' BC.' .<- @' <A.' = ' B ; .4B@&BC-.. k

.<-' B=' =/C 0<' /' BC.' <4H .4B' <40' /G .40 0' E00C /B

M' 0 '' '' / (' -')* 7' :- ;*' /%3=* ' 0 +*)* ' +0*/' 1 / 3 *1:' + (0' (0-(' &' (0*' /2%' ; 2' ' &' +0 10' (0* *' - 1' (0 **' 0%/2 *2' 3 :: /' (' **' ::%'(-(/' /' .%;*' !J') :' ' (' 0*' *' 2-(*'' -/2' &;% *'' - *' (-8*/' 10 *&:7' & 3' (0*' $0 :-2*:.0 -' 2%1-C (/' >0 = (

Q 4' BC.' BC' @.<-' = ' C=<4"6 =-' , ' 4 "5 ; C.4' BC.' =E40.-' .4L=&0< /C ' . B' C /' =K. @' 0 ; . 4A' = ' #E-=0<4 ' 4' =E4B' &@. ' + ; C HC' - /./' C AC' =K.-' # =B=' 4' BC.' 4=-BC&.</BO' =-' BC.' GE-G=/.' = ' 4B-=0EH 4A' BC.' =0=' /.HB"6 C.' /< ; ' =4' BC.' ; <@' B=' C E4 @=0="6 ; C.-.' C.' E/.0' B=' ; =-/C G"6 <' ; =40.- E ' 0 K 4.' .NC > B =4'= ' GE-G .' H =EO' <40' >- <4B' ACB"6 <40' =4' BC.' /G=B' C.' .-.HB.0' <' B.5G ."6 <40' -=5' BC.' 0 K 4.' .NC > B =4' ; C HC' C.&/< ; ' C=' 4<5.0' BC.' 5=E4B< 4' C E4"6 <40' BC.' B.5G .' #=4L<' #=5 @=J R

C.' B.5G .' /"6 C= ; .K.-"6 L4= ; 4' >@' B/' =E40.-"6 ; C=' 4' BC<B' <A.' ; </' H< .0' >@' C /' G <H.' = ' <>=0.' -<BC.-' BC<4' >@' C /' 4<5.' .' ; </' L4= ; 4' B=' BC.' G.=G .' = ' C /' 0<@' </' #E-=0<4 ' C=4 4' D<' C AC' B B .' =-' G- ./B/F"6 <40' A-<0E< @' BC.' B.5G .' C</' H=5.' B=' >.' L4= ; 4' >@' BC.' 4<5.' = ' #E-=0<4 ' C.' B.5G .' ; </' >E-4B' 0= ; 4' =4.' CE40-.0' <40' =E-' @.<-/' <A="6 <40' < B.-' <' .';' @.<-/' BC.' G-./.4B' /B-EHBE-./' ; .-.' >E B' >@' 4A=' #<E-. "6 BC.' C.<0' G- ./B' = ' BC.' =-B@& BC' A.4.-<B =4 ' C.' 5< 4' /C- 4.' /' BC<B' = ' .4L=&0< /C ' C 5/. (BC.' <0J= 4 4A' >E 0 4A/' <-.'BC.' 5 B<0="6 BC.' /C- 4.' = * 5 B<(BC.' .4- 4?="6 =-' BC.' C= @' >==L/(BC.' # ; <40="6 BC.' /C- 4.' =-' # ; <44=4(BC.' K.-@' 4.' <E5=4"6 =-' B.5G .' A<B.(BC.' B=5>' = ' BC.' =E40.-(<40' BC.' BC-..&/B=- .0' G<A=0<' C.-.' <-.' < /=' B ; .4B@& K.' 0 ; . 4A/' =-' BC.' G- ./B/' = ' BC.' B.5G . ' C .' K / B 4A' BC /' 4.' B.5G .' ; .' C<0' BC.' <0K<4B<A.' = ' < H=4I K.-/<B =4' ; BC' BC.' G- ./B/' EG=4' E0OC /5"6 <40' BC.' /.HB/' 4B=' ; C HC' E0OC /B/' <-.' 0 K 0.0

.' C<0' /B ' BC.' B.5G .' = ' <4J.4J ' D<' BB .' /=EBC ; <-0' = ' #E-=0<4 F' B=' K / B ' C /' < /=' /' <' E0OC /B' B.5G ."6 >EB' B' >. =4A/' B=' <' 0 .-.4B' /.HB"6 K ? ' BC.' A-.<B' .4' /.HB"6 = ' ; C HC' B' /' BC.' G- 4H G< ' B.5G .' 4' <G<4"6 - A 4< @' B' ; </' BC.' G .</E-.' G< <H.' = ' =4.' = ' BC.' L<0=/ ' C<K.' 4=B' <4@' K.-@' H .<-' 4 =-5<B =4' -./G.HB 4A' B/' H=4K.-/ =4' 4B=' < B.5G ."6 >EB' <4' <HH=E4B' ; </' E-4 /C.0' B=' 5."6 <40' ' ; ' A K.' B' C.-.' =-' ; C<B' B' /' ; =-BC"6 .<K 4A' BC.' HE- =E/' <4AE<A.' B=' /B<40' 4' H=44.HB =4' ; BC' BC.' H -HE5/B<4H./"6 ; C HC' <-.' ME B.' </' HE- =E/1 :

Q' = ; ' BC.' G< <H.' H<5.' B=' >.' < B.5G .' /' =4' BC.' = = ; 4A'

$' 6 0' &. '' ' D - ' . 0 P

<HH=E4B/1' 4' BC.' >.A 44 4A' = ' C==''' </' = B.4' /=5.' ; =40.- E ' =HHE--.4H./' C<GG.4.0' 4' BC.' G< <H.''' /=' /.K.-<' G- ./B/' ; .-.' H< .0' -=5' <-<' 4' =-0.-' B=' GEB' <4' .40' B=' BC.' =HHE--.4H./''' >EB' BC.@' H=E 0' 4=B' .N.HEB.' BC. -' 0EB@' 4' BC.' =E-BC' @.<-' = ' C==''' 4L<4' .4/C ''' BC.' C.<0' G- ./B' = ' BC.' BC -0' A.4.-<B =4' = ' =L ' #EJ ''' ; </' H< .0' >@' BC.' .5G.-=-''' <40' C.''' ; BC' B ; .4B@' G- ./B/' <HH=5G<4@ 4A' C 5''' 5<0.' G-<@.-/' 4' BC.' G< <H.''' <40' BC.4' BC.' =HHE--.4H./' H.</.0' =-' .K.-''' /=' BC<B' BC.' .5G.-=-' D4= ; ' -.B -.0F' >.H<5.' BC.' K.-@' 0..G' >. .K.-' 4' .4' /.HB''' <40' H<5.' B=' = .-' C /' G< <H.' </' < B.5G . ' 4' BC.' /.K.4BC' 5=4BC' = ' BC.' BC -0' @.<-' = ' C B=LE''' 4' BC.' -. A4' = ') =L=5<B/E 4& .44=''' =/C 5 B/E' C=AE4' A<K.' B=' BC.' B.5G .''' 4' BC.' 4<5.' = ' BC.' .5G.-=-''' BC.' -/B' -<4L' = ' BC.' K.' 5< 4' B.5G ./' = ' .4' /.HB/ R

C.' G-./.4B' 5< 4' A<B.' = ' BC /' >E 0 4A' /' <' K.-@' <-A.' =4.''' <40' ; </' >E B' >@' <' A-.<B' A.4.-< ''' =0=' <L<B=-<''' 4' H=5I 5.5=-<B =4' = ' BC.' 5<4@' /= 0 .-/' L .0' E40.-' C 5' 4' ><BB ./' <B' /<L<' <40' *. /. ; C.-.' B' ; </' >E B' 4' . ACB' 5=4BC/''' <40' /' <' K.-@' 5G=/ 4A' /B-EHBE-. '

E-' -/B' C=E-/' <40' =E-' -/B' 0<@' 4' BC.' /<H-.0' H B@' C<K 4A' >..4' 0.K=B.0' B=' /<H-.0' -./ 0.4H./' <40' B.5G ./''' ; .' A<K.' =E-' 4.NB''' 4' G<-B''' B=' 5=-.' /.HE <-' /E>J.HB/(' <40' -/B' ; .' K / B.0' BC.' / L& <HB=-@' =E40.0' >@' BC.' =H< ' A=K.-45.4B''' BC.' A=K.-4=-' = ' # =B=' >. 4A' A==0' .4=EAC' B=' H=40EHB' E/' BC.-.' <40' .NG < 4' B/' >< / /' <40' 5<4<A.5.4B ' 40' BC /' 5<@' >.' <' H=4K.4 .4B' G <H.' =-' /B<B 4A' BC<B' 4' # =B=''' </' . /. ; C.-.''' BC.' A=K.-45.4B' <GG.<-/' B=' C<K.' B<L.4' 5<4@' 5.</E-./' =-' /B 5E <B 4A' <40' < 0 4A' BC.' G-=0EHB =4/' <40' 5<4E <HBE-./' </' ; . ' </' BC.' .0EH<B =4' = ' BC.' H=E4B-@ ' ' 40.-' BC.' H B@' A=K.-45.4B' = ' # =B=' BC.-.' /' <4' 40E/B- < ' 0.G<-B5.4B''' BC.' #E ; <4A @=><''' ; C HC' ; </' ./B<> /C.0' 4' , ' /G.H < @' =-' BC.' G-=5=B =4' = ' BC.' 40E/B- < ' <-B/''' <40' ; C HC' C</' BC.' = = ; 4A' >-<4HC./1 ' 4' .NG.- 5.4B< ' A<-0.4 4A' 0.G<-B5.4B' D < &' >< /C ' #.4J=F''' H=55.4H.0' 4' ,2''' =-' BC.' HE B K<B =4' = ' =-. A4' <40' <G<4./.' -E B/' <40' K.A.B<> ./' (2' ' /C=.&5<4EI <HB=-@' D . LE ; <J=F''' >.AE4' <B' BC.' /<5.' B 5.''' =-' .NB.40 4A' K=4' ' =

BC.' 5<4E <HBE-.' = ' >==B/' <40' /C=./' = ' E-=G.<4' /B@ .(P' ' ; .<K 4A& <HB=-@' D C=LB=><F'' >.AE4' 4' ,P'' ; C.-.' / L/' <40' =BC.-' <>- H/' <-.' ; =K.4'' G- 4H G< @' 4' =-. A4' ==5/1 BC /' >-<4HC' /.4B' BC-..' ; =-L5.4' B=' E-=G.' B=' .<-4' BC.' <-B' = ' =-. A4' ; .<K 4A(S' ' GC@/ H<' <40' HC.5 H<' >-<4HC' D .5 & L @=LEF'' ; C HC' C</' <' /E>&>-<4HC' <B' @<0JE'' 4' <4A='' ' 5 ./' 0 /B<4B'' <40' ; C HC'' ; BC' BC.' </// /B<4H.' = ' B;=' =-. A4' ; =-L5.4'' /' G-=5=B 4A' <40' B.<HC 4A' BC.' 5<4E <HBE-.' = ' HC.5 H< /'' /=<G'' . .-K./H 4A' <40' .5=4' 0- 4L/'' ' ; <-.'' G=-H. < 4'' .BH (<0J= 4 4A' B' /' BC.' .4L=J='' =-' B.<HC 4A' 0@. 4A' =4' =-. A4' 5.BC=0/(' C.' .5< .' 40E/B- < ' /HC== '' =L=><'' < -.<0@' 5.4B =4.0(7' C.' =LEJ='' =-' 5=-.' G-=I G.- @' =LEHC LEJ='' ; C HC' /' <4' .NG.- 5.4B<' <-5'' ./B<>I /C.0' 4' , ' ; BC' BC.' =>J.HB' = ' 5G-=K 4A' BC.' >-..0 4A' = ' H<BB .' <40' = ' B.<HC 4A' <A- HE BE-.'' BC.' =-. A4' H<BB .' <40' /C..G' >. 4A' HC . @' GE-HC</.0' 4' 5.- H<'' <40' BC.' 5 L' G-=0EH.0' >. 4A' /= 0' 4' BC.' H B@(<' >-<4HC' <-5' .N /B/' <B' #=5=' 4' <5><'' <>=EB' / NB..4' 5 ./' -=5' # =B=(' , ' ' 0.G<-B5.4B' D =/<4><F' =-' G-=5=B 4A' BC.' 5E B G H<B =4' = ' / L; =-5/(' ' G<EG.-' 40E/B- < ' 0.G<-B5.4B' D E/<4/C=F'' ./B<> /C.0' 4' 7 '' ; BC' <' >-<4HC' <B' !=/.5>='' 4' BC.' /=EBC&.</B.-4' G<-B' = ' # =B=' H=E4B@'' ; C.-.' <A- HE BE-.' <40' BC.' 5<4E <HBE-.' = ' .<-BC.4 ; <-.' <-.' BC.' G- 4H G<' .5G =@I 5.4B/' = ' BC.' G<EG.-' H= =4@(' ' /B-..B&/ ; ..G 4A' 0.G<-BI 5.4B' D#E ; <L< /C=F'' ; C.-.' H=5G=/B' /' G-.G<-.0' =4' BC.' -.4HC' 5.BC=0(' ' G<G.-&5<4E <HB=-@'' ./B<> /C.0' 4' , ' C.-.' .N /B' < /=' /.G<-<B.' >-<4HC./' =-' 5<L 4A' <40' B.<HCI 4A' C=;' B=' G-.G<-.' .<BC.-'' >..-'' <40' 5 4.-<' ' ; <B.-/' ' 5E/.E5' /' 4' H=E-/.' = ' =-5<B =4"

/' >. =-.' /B<B.0'' ; .' K / B.0' BC.' C=LL=><'' <40' /<;' 4' G-<HB H.' BC.' G-=H.//./' = ' 5<4E <HBE- 4A' ; =K.4' <>- H/' = ' H=BB=4' <40' = ' / L'' ; BC' .5>-= 0.-@' EHC' = ' BC.' ; =-L' G-=I 0EH.0' ; </' /B- L 4A @' >.<EB E '' 5=-.' ./G.H < @' 4' BC.' 0.G<-BI 5.4B/' =-' / L' .5>-= 0.-@(=-' G-=0EH 4A' <-B /B H' . .HB/' 4' HEB' G .' <>- H/' DK. K.B/'' .BH F' >@' HEBB 4A' G<-B' = ' BC.' G .' =4 @' (<40' =-' G-=0EH 4A' G HB=- < ' . .HB/' >@' 0@. 4A' K. K.B/' C.' <HB=-@' /' 4' <' 4.' >E 0 4A'' =4' BC.' / B.' = ' <' =-5.-' G< <H.'' <40' <' >.<EB E ' <G<4./.' A<-0.4' /' H=44.HB.0' ; BC

$' 6 0' &. ' D &' . 0

B'' ; BC' =-4<5 .4B<' ; <B.-' = ' .NB-. 5 .' GE- B@' <5 ' H .<-4. //'' <>=E40 4A' ; BC' <-A.' A-.@' <40' A= 0.4' H<-G ' BC=EAC' ' GEB' <' . ;' ME./B =4/' -./G.HB 4A' BC.' .H=4=5 H' -./E B/' = ' BC /' <40' =BC.-' A=K.-45 .4B' 5<4E <HBE- 4A' ./B<> /C5 .4B/'' ' /C< ' 4=B' 0 /HE//' BC.' 5<BB.-'' </' .K.-@BC 4A' = ' BC.' L 40' .-.' /' /=' 4. ;'' <40' < ' BC.' H -HE5 /B<4H./' = ' BC.' H=E4B-@' <40' G.=G .' <-.' <B' G-./.4B' /=' .4B -. @' .NH.GB =4< '' BC<B' 4=' >-=<0' <40' A.4.-<' 4 .-.4H./' -=5' BC.' -./E B/' = ' BC. -' ; =-L 4A' H=E 0' @.B' >.' 0-< ; 4

C.' A=K.-4=-' ; </' A==0' .4=EAC' B=' B<L.' E/' 4.NB' B=' BC.' Q' =A<LL="R' =-' .5< .' 4=-5<' /HC== '' ./B<> /C.0' E40.-' BC.' <E/G H./' = ' BC.' =H<' A=K.-45 .4B'' <40' 4' <' H.-B< 4' 0.A-..' E40.-' BC.' H<-.' = ' BC.' 5G.- <' A=K.-45 .4B' 4' H=44.HB =4' ; BC' BC /' /HC==' /' BC.' Q =L=><"R' =-' .5< .' 40E/B- <' ./B<> /C5 .4B'' < -.<0@' <0K.-B.0' B=' C.' -/B&4<5 .0' 4/B I BEB =4'' =E40.0' 4' , '' /' =-5 .0' ; BC' K.' H </// ./'' = ' ; C HC' BC.' BC' /' BC.' = ; ./B(>EB' <B' G-./.4B' =4 @' BC.' BC-..' = ; .-' H </// ./' C<K.' GEG / ' C.' =>J.HB' = ' BC /' /HC== ' /' /B<B.0' B=' >.' B=' 5<L.' A - /' B' B=' >.H=5 .' A==0' 5=BC.-/ ' C.@' 5E/B' >.' BC -B..4' @.<-/' = ' <A.' >. =-.' BC.@' H<4' .4B.-'' <40' 5E/B' G</// BC-=EAC' <' H </// 4' / N' 5=4BC/'' E40.-A= 4A' 5 4=-' .N<5 4<B =4/' 5=4BC @'' <40' A.4.-<' .N<5 4<B =4/' 4' BC.' G-./.4H.' = ' BC.' A=K.-4=-' = ' # =B=' .K.-@' / N' 5=4BC/ ' =5.' = ' BC.' /BE0.4B/' <-.' B<EACB' BC.' 4A /C' <4AE<A. ' =<-0 4A' 4' BC.' /HC==' /' .4H=E-<A.0'' BC.' HC<-A.' =-' 5< 4B.4<4H.' D ==0' =4 @F' >. 4A' =4.' <40' <' C< ' 2 ' G.-' 5=4BC' D`F'' BC.' <G<4./.' G<G.-' 2 ' >. 4A' <B' G-./.4B' <>=EB' BC-..' /C 4A/' 4' K< E.' C.-.' /' <' K<H<B =4' =-' BC.' 5=4BC' = ' EAE/B ' C.' /E>J.HB/' B<EACB' <-.' BC=/./E/E<' 4' . .5.4B<-@' /HC== /'' ; BC' < A.>-<'' A.=5 .B-@'' C AC.-' <- BCI 5.B H' J < /=' 4A /C' A-<5 5<-' <40' H=5G=/ B =4' 4' BC.' EGG.-' H </// ./ ' EB' 4' <00 B =4' B=' BC.' >==L& .<-4 4A' 5G<-B.0'' BC.' A - /' -.H. K.' <' K.-@' G-<HB H<' .0EH<B =4' 4' BC.' 0EB ./' = ' 0< @' . ' C.@' <-.' B<EACB' C= ;' B=' 0-.//'' B=' ; < B' <B' 5.< /'' B=' -.H. K.'' /< EB.' <40' .4B.-B< 4' AE./B/(B=' 5<L.' B.<' H.-.5=4 <' </C =4'' <40' B=' A K.' <40' B<L.' B(B=' 0 /G=/.' = ; .-/' 4' K</./(B=' C<4A' G HBE-./(B=' /4E ' BC.' H<40 ./' A.4.-< @' .5G =@.0' 4' < ' C=E/.C= 0/' <B' G-./.4B(B=' 0E/B' -==5/! B=' .<B' BC.' <-A.-' -E B/' = ' BC.' H=E4B-@' D5. =4/'' .BH F(B=' 5<L.

=

= .- 4A/ B=$ BC .$ A=0/'* <40$ /=$ =-BC $ 4$ BC .$ =BC .-$ /HC== '* =-$ 40E/B- < $ ./B<> /C5 .4B$ =-$ A - /'* BC .-.$ <-.$ / N$ H </I./.'* 4$; C HC$ BC .$ 4/B-EHB =4$ /$ HC . @$ 4$ BC .$ K<- =E/$ L 40/$ =$ 4..0 .& ; =-L$ <40$; .<K 4A$ 4$ BC .$ = ; ./B$ H </I/$ BC .$ A - /$ <-.$ B<EACB$ G < 4$ 4..0 .& ; =-L(4$ BC .$ 4.NB'* G < 4$; .<K 4A$ = $ H=BB=4'* ; BC$ <0K<4H.0$ 4..0 .& ; =-L(4$ BC .$ 4.NB'* BC .$; .<K 4A$ = $ H=BB=4$; BC$ G<BB.-4/'* BC .$ -.<- 4A$ = $ / L ; =-5/'* <40$ BC .$ 5=0.$ = $ 5<L 4A$ BC .$ >-=<0$ A -0 ./$; C HC$ =-5$ /=$ /B- L 4A$ <$ G<-B$ = $ BC .$ .5< .$ H=/BE5 .$ 4$ <G<4! 4$ BC .$ BC -0$ H </I'* BC .$; .<K 4A$ = $ / L$; BC$ H=BB=4'* BC .$ 5<L 4A$ EG$ = $ BC .$ B=><HH=&$ G=EHC./$ D ; C HC$ <-.$ 4$ E4 K.-/< $ E/.$ BC-=EAC=EB$ BC .$ H=E4B-@F'* <40$ BC .$ 5<L 4A$ = $ G < 4$ 0-.//./$ <-.$ B<EACB! 4$ BC .$ /.H=40'* BC .$; .<K 4A$ = $ / L$; BC$ G<BB.-4/'* <40$ BC .$ 5<L 4A$ = $ 0= /3 0-.//./V'* =-. A4$ 0-.//./'* <40$ / L$ H=<B/(<40$ 4$ BC .$ -/B$ H </I/$ BC .$ A - /$ <-.$ G-<HB /.0$ 4$ .K.-@$ L 40$ = $ / L& ; .<K 4A'* <40$ 4$ BC .$ 5<L 4A$ = $ <H.'* = $ 0<4H 4A$ 0-.//./'* <40$ = $ H.-.I 5=4 < $ 0-.//./$ C .$ G-.BB@$ <40$ E/. E $ <-B$ = $ H=5G=/ 4A$ G HBE-./$ = $ / L$ HEB$ =EB$ 4B=$ /E B<> .$ 0./ A4/'* <40$ G</B.0$ EG=4$ <$ A-=E40 ; =-L$ = $ H<-0>=<-0'* /$ < /=$ B<EACB'* <40$ B<EACB$ K.-@$ /EHH.// E @'* 4$ BC /$ H </I 9$ C.-.$ <-.$ <B$ G-./.4B$ =4.$ CE40-.0$ <40$ 4 4.$ /BE0.4B/$ 4$ BC .$ =A<LL='* <40$ =4.$ CE40-.0$ <40$ 4 4.B@&/ N$ 4$ BC .$ =L=><

E-$ K / B$ B=$ BC .$ 4=-5< $ /HC== $;</$ K.-@$ 4B.-./B 4A $ EB/ 0.$ = $ B'* </$; .$ <GG-=<HC.0'* %BC .$ / ; ..B$ A - &A-<0E<B./$ R$; .-.$ -<4A.0$ =4$. BC .-$ / 0.$ 4$ BC . -$ G-.BB@$ H=/BE5./'* >= ; 4A$ = ;$ </$ BC .$ G<-B@$ = $ K / B=-/$ G<//.0$ 4'* <40$ -.5< 4 4A$ /=$ B $ < $ C<0$ .4B.-.0$ BC .$ >E 0 4A $;=$ = $ BC .$ GEG /$ G <@.0$ B=$ E/$ =4$ BC .$ " $ >. =-.$; .$ G-=H..0.0$ B=$ BC .$ H <I/&-==5/'* 4$ BC .$ -/B$ = $; C HC$; .-.$ B ; .4B@& =E-$ A - /$ D< $ <G<4./.$ /<K.$ =4.F'* ; C=$ <-.$ 4/B-EHB.0$ 4$ BC .$ 4A /C$ <4AE<A.$ >@$ <4$ 5.- H<4$ <0@'* -/ $ -4= 0'* ; C=$;</$ G-./.4B'* <40$; C=$ 4K B.0$ E/$ B=$ C.<-$ /=5.$ = $ BC .5$ -.<0 $ .K.-< $ -.<0$ <HH=-0I 4A @'* <40$ < $ = $ BC .5$; BC$ H=4/ 0.<> .$ /L '* 4=B<> @$ //$ =$ <5<B. $ <40$ //$ $ 5=-'* >=BC$ = $ BC .5$ ME B.$ @=E4A$ A - / $ 4$ BC .$ 4.NB$ H </I/&-==5$; .-.$ / N$ @=E4A$ <0 ./$ H=5&

$' 6 0' &. " ' D - ' . 0

G=/ 4A' G HBE-./' = '-< /.0' / L"< B.-' BC.' 5<44.- JE/B' <0K.-B.0' B=" ; BC' .NH..0 4A @' A==0' . .HB/' .' BB.4' G<//.0' BC-=EAC' <' -==5' = '=4.' CE40-.0' A - /"< ' .4A<A.0' 4' 5<L 4A' 0-. //./" <40' 4' 4..0 .&; =-L' = ' <' / 5 <-' L 40"< <40' ' <5' C=E40' B=' /<@' BC<B' BC.@' ; .-.' <4' .NH..0 4A @' G-.BB@' /.B' = ' @=E4A' <0 ./" ; =-BC@' B=' B<L.' K.-@' C AC' -<4L' <5=4A' BC.' >.<EB ./' = ' <G<4" <40' B' B=' H=5G<-.' .K.4' ; BC' BC.' HC<-5 4A' /<L<' A - /' 4' BC.' 4.NB' H <//&-==5' ; .-.' / N' GEG /' ; =-L 4A' ; BC' /.; 4A& 5<HC 4./" <40' 4' BC.' 4.NB' B; .4B@& K." 5=/B' = ' BC.5' ; .<K 4A" BC.' -.5< 40.-' .4A<A.0' 4' C-=H<0.&; =-L' <40' -EA& ; =-L' 4' BC.' /EHH..0 4A' H <//' -==5/' ; .-.' BC -B@' A - /' -.<0 4A' <G<4./.' C /B=-@' < =E0' 4' /EHH.// =4" ; BC' B.0' K= H./' <40' G-=4=E4H.0' .5GC</ /" CEB' ; BC' ; C<B' <5=E4B' = ' 5.- B' 4' =BC.-' -./G.HB/' " E4C<GG @" H=E 0' 4=B' JE0A.' D .-." </' 4' < ' =BC.-' <G<4./.' /HC== /' ; C HC' ' K / B.0" BC.' -.<0 4A' < =EO' = ' <' G<//<A.' -=5' <' C==L' ; </' 5 5.0 <B. @' = =; .0' >@' .NG <4<B =4/' -=5' BC.' GEG " 4' =-0.-" ' G-./E5." B=' G-=K.' BC<B' BC.' B.NB' ; </' G-=G.- @' E40.-/B==0' <40' <GG-.I H <B.0 : <' K.-@' A==0' /@/B.5' ' =@< @' GE-/E.0 : *CEB' B' <GG.<-.0' B=' 5." 4' < 5=/B' .K.-@' 4/B<4H." BC<B' BC.' .NG <4<B =4/' ; .-.' 0. K.-.0' 4' G-.H /. @' BC.' /<5.' /B@ .' <40' JE/B' </' E.4B @' </' BC.' B.NB" <40' ; .-.' BC.-. =-.' G=// > @' 4=B' BC.' /G=4B<4.=E/' <40' 5 5.0 <B.' G-=0EHB/' = ' BC. -' =; 4' 5 40/ F' 4' BC.' 4.NB' H <//&-==5' BC -B@' A - /' ; .-.' -.<0 4A' >==L/' ; - BB.4' 4' BC.' C 4./.' HC<-<HB.-' <40' A-<5 5<-"> EB' ; BC" <G<4./.' 5.<4 4A(4' BC.' 4.NB" B; .4B@' A - /' ; .-.' 0= 4A' <- BC 5.B H' ; BC' 4A /C' AE-./(4' BC.' 4.NB" B; .4B@&BC-..' G.- =-5 4A' .5>-= 0.-@" <40' 5<L 4A' EG' G=HL.B&>==L/" B=><HH=&G=EHC./" .BH (<40' 4< @' / NB..4' ; .-.' 0-<; 4A' G HBE-./' = ' =; .-/" B-../" .BH " 4' BC<B' >= 0" / ; B&C<40.0" <40' 0.NB.-=E/' /B@ .' ; C HC' /' BC.' HC<-5' = ' BC /' >-<4HC' = ' <G<4./.' <-B ' 'H=E 0' 4=B' C. G' 4A.-I 4A' 4' BC /' -==5' <5=4A' BC.' =-< '>.<EB ./' BC<B' ; .-.' /G- 4A 4A' -=5' BC.' 4A.-/' = ' BC./.' G-.BB@' # =B=' A - /" 4=-' H=E 0' ' -. -< 4' -=5' >.AA 4A' =4.' = ' BC.' G HBE-./' </' <-.5 4 /H.4H.' = ' BC.' G .</<4B' /H.4.' C.' ; C= .' / NB..4' ; .-."C=; .K.-" /.4B' < B.-; <-0/' =-' J4@' <HH.GB<4H." <40' ; BC' BC.5' B; =' <00 B =4< ' 0-<; 4A/' =4' / L' = ' G.- .HB' =K. 4.//" </' ' BC 4L' BC.5" -=5' BC.' C<40' = ' BC.' A-<H. E' @=E4A' <0@' ; C=' ; </' BC.' B.<HC.-' =

BC.' H </!'" <40 =K.-' ; C=/.' ; =-L'" ; C .' ' ; </" G-./.4B'" ' /B==0' ; BC' ; C<B' ; </" G-=><> @' &H=4H.< .0'" =-' E4H=4H.< .0'" <05 &' -<B =C'" ' 4..0' 4=B' /<@' C= ;' ' K< E.' BC./.' B-.</E-./' 0.- K.0' -=5' BC /' 4B.-./B 4A' /HC==' = ' BC-..' CE40-.0' A - /' 4' BC.' C.<-B' = 'BC.' =4H.&/<H-.0' H B@' = ' BC.' =4H.&.NH E/ K.' .5G -.' = ' Z <G<4 ' EB' BC.' >./B' B-.</E-.' >-=EACB' -=5' B' ; </'" G.-C<G/'" < B.-' < '" BC.' L4= ; .0A.' BC<B' <G<4' /' 4= ;' A=K.-4.0' >@' <' 5=4<-HC' <40' 5 4 /B.-/' ; C=' <GG-.H <B.'" <40' <-.' -./= K.0' B=' .NB.40' B=' >=@' <40' A -' < L.'" BC.' /EG-.5.' > .// 4A' = ' .0EI H<B =4 ' <4@' <' B 5.' C</" BC /' -. .HB =4' < -.<0@' >..4' =-H.0' EG=4' 5.' 4' BC /' H=E4B-@'" >EB' B' /..5/" <' BB 4A' G <H.' C.-.' B=' -.H=-0' B'" ; C.4' =4.' /' /G.<L 4A' 5=-.' ./G.H < @' = ' ; C<B' C.' /<;' 4' BC /' .5< .' /HC==' = ' BC.' A==0' ; =-L' >. 4A' 0=4.'" <40' 0=4.' BC-=EAC=EB' <G<4' 4=B' =-' BC.' /B-=4A.-' /.N' =4 @'" >EB' =-' BC.' ; .<L.-' L. ; /.

G &' '0*' =*' '3 -::' ': ;0(6/-(% *2' 3 '* -=:*
+' '0-::' 3*/' ; +'S H

C.' A=K.-45.4B' = ' <G<4' /..5/' B=' C<K.' </L.0' B/. ' BC /' ME./B =4'" <40' BC.' <4/ ; .-' B' C</' A K.4' B=' BC.' ; =- 0' 5<@' >.' -.<0' 4' /HC== /' /H<BB.-.0' < ' =K.-' BC.' H=E4B-@

-=5' BC.' 4=-5< ' /HC==' ; .' G-=H..0.0' B=' <' H-<G.& <HB=-@'" B=' /..' BC.' 5<4E <HBE-.' = ' $ ' <' >-<4HC' = ' 40E/B-@' ' 0=' 4=B' -.5.5>.-' C<K 4A' /..4' >. =-.'" <40' =4.' = ' H=4/ 0.-<> .' 4B.-./B' 4' BC /' H=E4B-@'" ; C.-.' BC /' /= B' <40' G-.BB@' 5<B.- < ' /' /=' <-A. @' ; =-4 ' 4' BC.' H=E-/.' = ' BC /' < B.-4==4' ; .' K / B.0' 4=' .//' BC<4' =E-' / L& <HB=- ./'" ; B4.// 4A'" <5=4A' =BC.-' BC 4A/'" BC.' G-=0EHB =4' = ' /=5.' .NME / B. @' AE-.0' / L' K. K.B/'" <40' =BC.-' A==0/' = ' BC<B' H </!' C./.' / L& <HB=- ./' 4' # =B=' <-.' =4' < /5< ' /H< .'" >EB' 4E5.-=E/'" BC.' HC= H./B' <40' 4./B' 5<4E <HBE-./' =-' BC.' =L =' 5<-L.B' >. 4A' G-=0EH.0' 4' /=5.' = ' BC.5 ' 4' =4.' ; .' /<;' E40.-' 5<4E <HBE-.' /=5.' .NH..0 4A @' - HC' >-=H<0.0' / L' =-0.-.0' >@' BC.' C=E/.C= 0' 0.G<-B5.4B' = ' C /' 5<J./B@' BC.' L<0='" <40' ' <5' 5EHC' 5 /B<L.4' ' BC./.' ; .-.' 4=B' BC.' 0.4B H< ' <>- H/' ; C HC' ; .-.' <B' <' <B.-' G.- =0' G-./.4B.0' B=' 5.' >@' C /' 5<J./B@3' H=5 5<40' 4' BC.' 5G.- < ' G< <H.' <B' =L =

E-' K / B/' B=' BC.' / L& <HB=- ./' ; .-.' /E/G.40.0' <B' E4HC.=4' B 5.'" ; C HC' ; </" E/. E @' <40' G .</<4B @' /G.4B' <B' #<-<LEL="

$' 6 0 &. " ' D - ' . 0

<' <-A.' /HC==' =-' @=E4A' 5.4' <40' ;=5.4' ./B<> /C.0' 4' <' /G .40 0' >E 0 4A' ; C HC' ;</" H=4/B-EHB.0' <' . ;' @.<-/" <A=' </" BC.' G< <H.' =' <' G- 4H.' ; C=' C</" / 4H.' A=4.' . /. ; C.-.' B=' -./ 0."6 <40' ; C HC' ;</" 4=' 0=E>B' =>B< 4.0' <B' <' 5=0.-<B.' H=/B' =-' B/' G-./.4B' GE-G=/.' C /" /HC==' /" 4' /=5.' 0.A-..' <// /B.0' >@' BC.' A=K.-45.4B"6 CEB' /" 5< 4 @' <' G- K<B.' =4."6 C<K 4A' B ; =' CE40-.0' <40' / NB@' GEG /' .' G<//.0' BC-=EAC' BC.' K<- =E/" H <//&-==5/"6 C.<- 4A' BC.' GEG /" -.<0' <40' .NG=E40' ; C<B' BC.@' -.<0"6 <40' B./B 4A"6 /=' <-' </" 4' E/" <@"6 BC.' ME< B@' =' BC.' .0EH<B =4' A K.4' /" <' -E ."6 ;.' =E40' BC.' 5.BC=0/" =' 4/B-EHB =4' A==0"6 <40' BC.' B.<HC.-/" H=5> 4 4A' H .<-4.//" =' .NG=/ B =4' ; BC' BC<B' G<B .4H.' <40' A==0' B.5G.-' ; C HC' <-.' 40 /G.4/<> ."6 ./G.H < @' 4' BC.' 4/B-EHB =4' =' BC.' K.-@' @=E4A' C.-.' ; </" <' A - /3>-<4HC' B=' BC /" ./B<> /C5.4B"6 ; C.-.' ; .' /<;' <' <-A.' 4E5>.-' =' GEG /" >E/ @' .4A<A.0"6 5=/B' =' BC.5' =4' 4..0 .& ; =-L' <B' BC.' B 5.' =' =E-' K / B' =5.' G-.BB@' BB .' /G.H 5.4/" =' BC.' ; =-L' ; .-.' C<40.0' B=' E/" </" 5.5.4B=./' 4' -.BE-4' ' 5E/B' 0=' BC.' A - /" =' BC /" /HC==' BC.' JE/B H.' B=' /<@' BC<B"6 40 K 0E< @' <40' H= .HB K. @"6 BC.@' ; .-.' </" G-.BB@' </" BC. -' . =; &/BE0.4B/" =' BC.' 4=-5<' /HC==" 6 ; C HC' /" BC.' C AC./B' H=5G 5.4B' ' H<4' G<@' B=' BC.' >.<EB@' =' /HC== A - /" 4' <G<4

4=BC.-' 0..G @' 4B.-./B 4A' .0EH<B =4<' ./B<> /C5.4B' ; C HC' ;.' K / B.0' BC.' /<5.' 0<@' /" <' .5< .' /HC==' =' 40E/B-@"6 ; C.-.' 0<4H 4A&A - /"6 # ' <40' =BC.-' /EHC' @=E4A' .5< ./" H<4' -.H. K.' /=5.' . .5.4B<-@' 4/B-EHB =4"6 <40' >.' B<EACB' BC.' 0=5./B H' <-B/" ; C HC' <-.' 4.H.//<-@' B=' ; K./" <40' 5=BC.-/' ' 4B ' BC /" L 40' =' 4/B BEB =4' ;</" /B<-B.0"6 BC /" H </" =' A - /" 4' <G<4"6 <40' ./G.H < @' 4' A-.<B' H B ./" L.' # =B="6 ; .-.' 4' <' K.-@' E4 =-BE4<B.' G=/ B =4' AC @' .0EH<B.0' 4' BC.' <-B/" =' 0<4H 4A"6 / 4A 4A"6 <40' ; < B 4A' <B' 5.< /" =4' 5.4"6 BC. -' .0EH<B =4' 4' =BC.-' -./G.HBV' ;</" ME B.' 4.A .HB.0"'6 <40' H=4/.ME.4B @' BC.' =-0 4<-@' <K=H<B =4/" =' -./G.HB<> .' ."6 <40' ./G.H < @' =' 5<-- .0' ."6 ; .-.' H =/.0' B=' BC.5"6 =-' =G.4' =4 @' E40.-' BC.' A-<K./B' 0 /<0K<4B<A./' C.@' 4=B' E4 -.ME.4B @' 5<-- .0' ; ."6 ' <5' B= 0"6 >EB' BC.@' ; .-.' E/E< @' K.-@' E4 B' =-' BC. -' 4. ;' 0EB ./" 4' /EHC' H</./' ' 40.-' BC.' G-./.4B' # $ ' =' <G<4"6 <40' ; BC' BC.' A-.<B.-

-./G.HB$; C HC$ /' 4= ;'C.H=5 4A$. B$ 4=B$ =4 @$ =-$ BC.' ;=5.4$ >EB$ =-$ BC.' 5.4$ < /=$ = ' BC.' B-<0 4A$ <40$ G==-.-$ H </!./'* BC.' 4.A .HB$ = ' BC /' <-A.' H </!' = ' @=E4A$;=5.4$ <40$ 5.-.' A - /' C</' >..4$ /=$ 5EHC$ 0.G =-.0$ BC<B$ /HC== /' = ' 40E/B-@'* .NI G-.// @$ 0./ A4.0$ B=$ 'EG$ BC. -$ /G<-.' B 5.' ; BC$ 4/B-EHB =4$ 4$ 5<BB.-/' BC<B$; K./' <40$ 5=BC.-/' /C=E 0$ E40.-/B<40'* C<K.' >..4$ ./B<> /C.0$ 4$ 0 .-.4B$ G<-B/' = ' BC.' H B@'* <40$ -.H. K.' BC.' HC..- E ' /EGG=-B$ <40$ </! /B<4H.' = ' BC.' A=K.-45.4B ' .' =E40$ <$ 4E5>.-$ = ' # ' <40$ 0<4H 4A&A - /' >E/ @$ =HHEI G .0'* 4$ BC.' 4B.-K< ' = ' BC. -$ E/E< ' =HHEG<B =4'* 4$ -.H. K 4A$ 4/B-EHB =4$ 4$ . .5.4B<-@$ L4=; .0A.'* <40$ ./G.H < @$ 4$ BC.' E/.' = ' BC.' /H //=-/' <40$ 4..0 . ' C.' 4B.-./B$; C HC$ /' B<L.4$ 4$ BC./.' 4/B BEB =4/' >@$ BC.' A=K.-4=-'* -=5' ; C=5' BC.' G-=I G=/< ' B=$ 5<L.' BC.' K / B$ G-=H..0.0'* /' <$ A==0$ =5.4$ =-$ BC. -$ G.-5<4.4B$ /EHH.//'* E4B ' /EG.-/.0.0'* .B$ E/' C=G.'* >@$ <$; C= @$ 5G-=K.0$ 5.BC=0$ = ' .5G =@ 4A$ BC.' 5< 0.4/' = ' <G<4 4$ BC.' .K.4 4A$ = ' BC /' 0<@$; .' C<0$ BC.' C=4=E-$ = ' 0 4 4A$ <B$ BC.' G< <H.' = ' BC.' HC . ' G- ./B$ = ' BC.' </B.-4$ CE-HC$ D E00C /B'* C 4/CE$ /.HBF'* ; C=/.' 4K B<B =4'* H=4K.@.0$ BC-=EAC$ C /' . 0./B$ /=4'* C<0$ -.<HC.0$ E/' /=5.' 0<@/' G-.K =E/ @$ <B$ /<L<' C=/.' ; C=$ L4=; ' BC.' /B<B.' = ' BC 4A/' BC<B$ .N /B.0$ /=5.' @.<-/' <A=$; ' < =4.' L4=; ' C= ; ' B=$ 0E @$ ./B 5<B.' BC /' 4K B<B =4 ' C.' HC . ' G- ./B$ D=-$ <-HC> /C=GF$; </' C 5/. ' <B$ <$ 0 /B<4B$ G<-B$ = ' C /' 0 =H./.'* <40$ BC.' 0EB@$ = ' .4B.-B< 4 4A$ C /' .NH. .4H@$ BC.' 5 4 /B.-$ = ' 5<- 4.' <40$ =E-$ G<-B@$ 0.K= K.0$ EG=4$ C /' /=4/'* ; C=$ G.- =-5.0$ B$; BC$ <$ H=-0 < B@$ <40$ L 404.//' 4=B$ B=$ >.' /E-G</!.0 ' 4$ K .; ' = ' BC.' 0./ -.' ' C<0$ /C=; 4$ B=$ K / B$ BC.' B.5G ./'* B$; </' G<-B$ = ' BC.' G-=A-<5 5.' = ' BC.' < B.-4==4$ =-$ .K.4 4A$ BC<B$; .' /C=E 0$ -/B$ 4/G.HB$ BC.' B.5G .' = ' =E-$ C=/B/'* A</C ' =4A<4J '* ; C.-.' ; .' ; .-.' -.H. K.0$ >@$ BC.5'* <40$ H=40EHB.0$ B=$ <4$ <G<-B5.4B$ 4$; C HC$ B.<$ <40$ / ; ..B5.<B/' ; .-.' /.-K.0 ' X .' ; .-.' BC.4$ B<L.4$ B=$ BC.' /C- 4.&B.5G .'* <40$; .4B$ H<-. E @$ BC-=EAC$ B ' B$ /' 4=B$ =4.' = ' <4@$ A-.<B$ 5G=-B<4H.'* >. 4A$ >EB$ <$ B.5G=-<-@$ .0 H.' .-.HB.0$ B=$ B<L.' BC.' G <H.' =-$ <$ B 5.' = ' BC.' /G .40 0$ /B-<HBE-.' ; C HC$; </' >E-4B$ 0= ; 4$ 0E- 4A$ BC.' ACB 4A$ >.B ; ..4$ BC.' B-==G/' = ' BC.' L<0=$ <40$ BC=/.' = ' BC.' @H==4$ 4$) ' C.' =- A 4< ' B.5G .' ; </' >E B$ >@$ BC.' HC . ' G- ./B$ # =4 4$ C=4 4'* B ; =

$' 6 0' &. " ' D - ' . 0 I

CE40-.0' <40' /.K.4B@&/ N' @.<-/' <A=' 4' =4.' = ' BC.' /C- 4./' /' BC.' A=0' 5 B<'" <40' 4' <4=BC.-' BC.' 5<A.' = '# =4 4' C=4 4'" H<-K.0' >@' C 5/. ' 4' BC.' @.<-' ,7' ' BC.' C AC' B B .' = ' #.4/C 40< /C ' ;</' A K.4' B=' C 4-<4' C=4 4'" BC.' =E40.-' = ' BC.' C 4/CE' /.HB'" = ' ; C HC'" </' ' C<K.' /< 0'" =E-' <>/.4B' C=/B' /' BC.' .</B.-4' 5.B-=G= B<4

=' -.<HC' # L=LEB.'" BC.' G< <H.' = ' BC.' <-HC> /C=G'" ;.' 5<0.' E/.' = ' =E-' ' <40' < B.-' <A< 4' -. -./C 4A' =E-' J<0.0' /. K./' ; BC' B.<'" /B-= .0' 4B=' <' <-A.' <40' >.<EB E ' A<-0.4'"'" ; C.-.'" A<@' ; BC' >- ACB' <A/' <40' HE-B< 4/'" <@' <B' BC.' ><4L' = ' <' <L.' <' 4.' <-A.' ><-A.'" H<-G.B.0' <40' HE/C =4.0'" <40' G-=K 0.0' ; BC' B.<'" -E B'" H<L./'" H A<-/'" H A<-.BB./'" <40' =BC.-' H=5 =-B/' /E B.0' B=' =E-' .NC<E/B.0' H=40 B =4' ' ./B' ;.' /C=E 0' -.ME -.' /=5.BC 4A' >. =-.' <HBE< @' .5><-L 4A'" <4' . .A<4B' <L.&C=E/.' /B<40 4A' =EB' =K.-' BC.' ;<B.-' ;</' >=E4B E @' G-=K 0.0' ; BC' / 5 <-' 4.H.// B ./ : /EHC' ;</' BC.' =-.BC=EACB' <40'=K.-&<>E40<4B'C=/G B< B@'= ' =E-'.4B.-B< 4.-/' C.' ;<-5' <B5=/GC.-.'" BC.' H= =E-.0' ACB' = ' BC.' .K.4 4A'" BC.' -.G=/.' = ' BC.' <L.'" BC.' >.<EB@' = ' BC.' / <40/' 4' B' <40' = ' BC.' ><4L/' >.@=40'" BC.' < E- 4A' .</.' ; C HC' BC.' >=<B' = .-.0'" <40' BC<B' 0./ -.' B=' A.B' < =<B' ; C HC' .K.-' >./.B/' BC.' 4A /C5<4'" < ' H=5> 4.0' B= ;<-0/' =4.' .40'" <40' ;.' ; .-.' /G..0 @' A 0 4A' =K.-' BC.' H-@/B< ' H< 5 ' C.-.' ;.-.' =4' BC.' / <40' <40' ><4L/' 5<4@' =>J.HB/' B=' <BB-<HB' BC.' .@.' <40' A.4B @' 4B.-./B' BC.' 5 40' C.-.' ;</'" =-' .N<5G ."' <4' = 0' /B=4.' G<A=0<& L.' 5=4E5.4B'=-' =! B' ;</' K.-@' = ;' 0= ;4'" <40'G<-B @'/E>5.-A.0'" >EB' B' ;</' B=' BC.' 5.5=-@' = ' <' A-.<B' 4<5."' 4=' =BC.-' BC<4' BC<B' = ' #< ;<-<4="' <0< J 4'" <' 5 4 /B.-' ;C=' =E- /C.0' >.B ;..4' /.K.4' <40' . ACB' CE40-.0' @.<-/' <A=' C.-.' ;.-.' < /=' /=5.' K.-@' HE- =E/' = 0' /B=4.' <4B.-4/'" ;C HC'" ; BC' BC. -' ME< 4B' /HE GBE- 4A/' = ' /E4' <40' 5==4' <40' =BC.-' 0.K H./'" <-.' < ;<@/' G .</ 4A' B=' ==L' <B ' C.-.' ;.-.' L.; /.' 4.' = 0' B-../'" ; BC' BC. -' -==B/' C< '=EB' = ' BC.' .<-BC'" <40' BC. -' /C 4 4A' /E5 5 B/' /B..G.0' 4' BC.' H= =E-.0' /E4 ' ' <>=EB' BC.' G <H.' ; .-.' <-A.' >-=4?.' H-<4./'" ;C HC'" < BC=EAC' =E40' B=' >.' >-=4?.' =4' /E I H .4B' 4/G.HB =4'" <B' .<HC' 4.;' <GG.<-<4H.' /..5.0' B=' >.' =4' BC. -' ;<@' -=5' /=5.;C.-.' B=' /=5.;C.-.' ./.' .' <40.0' =4' BC.' / <40'" <40' /B==0' EG=4' BC.' / B.' = ' <4' = 0' B.<&C=E/.

4= ;' >E-4B' 0= ; 4'' >EB' ; C HC' B ' BC.4' C<0' >..4' 4=B<> .' =-' B/' H. 4A' = ' /G.<-/'' >-=EACB' -=5' BC.' ><BB .' = ' .0/<&' A<B<L.'' <B' ; C HC' /.K.4' = ' BC.' A-.<B' < L=3/'' B-==G/' /=' 5EHC' 0 /B 4AE /C.0' BC.5/. K./' ; BC' /G.<-/ 9' # .&. 5><-L 4A'' ; .' -. 5< 4.0' EG=4' BC.' <L.' B ' BC.' /E4' ; .4B' 0= ; 4' >.C 40' BC.' C /' <40' >.A<4' 0..G.4 4A' B/' H= =E-/' <40' G-.G<- 4A' =-' BC.' /G .40 0' .40' C.4' ; .' <40.0'' <40'' C<K 4A' /B ' <' . ;' 5 4EB./' B=' ; C .' < ; <@'' /G.4B' BC. 5'' >=@& L.'' 4' -<H 4A'' .<GI 4A'' <40' =BC.-' G-.G<-<B =4/' =-' 0 44.-' 40' ; C<B' <' 0 44.-' BC=EAC' /.-K.0' =4' <' B<> .'' B' ; </' D>@' G<-B HE <-' 0./ -.F' <G<4./.' 4' B/' HC<-<HB.-(B' G-=K.0' B=' >.' <G<4./.'' B==' 4' B/' G-= E/ =4 ' ' 5E/B' <05 B' BC<B' =4' BC /' =HH</ =4' <A< 4' ' ; </' 4=B' C<GG@' 4' BC.' E/.' = ' 5@' HC=G&/B HL/'' >EB' -./= EB. @' ' G <@.0' BC. 5'' B=' BC.' .NH E/ =4' = ' BC.' L4 .' <40' =-L'' BC=EAC' BC./.' ; .-.' G-=K 0.0' <L 4A' .K.-@' < = ; <4H.' =-' BC.' /EG.- =-' .4J=@5 .4B' ; C HC' <' B-<K. 4A' 4A /C5<4' ; =E 0' >.' /E-.' B=' .NG.- .4H.' <B' BC.' B<> .' = ' <' EOOC /B' <-HC> /C=G' 4' C /' = ; 4' G< <H.'' ; C<B.K.-' BC.' 0 44.-' 5 ACB' >.'' ' 5E/B' 5< 4B< 4' BC<B' ; .' 0 4.0' 4' <' 5<44.-' 5=-.& BC<4' ; =-BC@' = ' BC.' =HH</ =4 : ' ; BC' < ' 0E.' 0. .-.4H.' B=' BC.' 5 4 /B.-' G-./.4B'' >.' B' /< 0' ' H=E 0' 4=B' G=// > @' C<K.' 0 4.0' >.BB.-' <B' 5@' H E>' 4' B' <5./3/' D<40' ' <5' C=5. @' .4=EAC' B=' G-. .-' 5@' 0 44.-' BC.-.' B=' <4@' ; C HC' BC.' ' = ' $<- /' =-' BC.' ' = ' E// <' G-=0EH.F'' < BC=EAC' B' /' B-E.' BC<B' =4.' C</' <B' C=5.' B=' 0 /I G.4/.' ; BC' -< ;' /C' <40' /.< ; ..0'' <40' =BC.-' L.' ENE- ./' = ' BC.' </B ' EB' <' HC= H.' <40' <K /C' ><4ME.B' ; </' 4=B' C.' =4 @' /=E-H.' = ' .4J=@5 .4B' G-=K 0.0' =-' E/ ' ' /.- ./' = ' 5E/ H< ' <40' 0-<5<B H' G.- =-5<4H./ : K.-@' 5EHC' 5=-.' BC<4' ; .' 5 .<4' >@' 0<4H./'' BC=EAC' H< .0' >@' BC<B' 4<5. : ; .-.' G.-I =-5.0' BC-=EAC=EB' BC.' 0 44.-'' >@' G.- =-5 .-/' = ' BC.' C AC./B' H </' L4= ; 4' B=' <G<4 ' C.' /B-<4A.' >EB' =>K =E/ @' 5</B.- @' / 4A 4A'' 4/B-E5 .4B< ' 5E/ H'' <40' G<4B=5 5 H' <HB =4' = ' BC.' K<- =E/' <-B /B/'' H=EG .0' ; BC' BC.' /G .40=E-' <40' ; =40.-' = ' BC. -' H=/BE5./'' ; .-.' B=' 5.' /=' 4B.-./B 4A' BC<B' ' -.ME.4B @' =E40' 5@/. ' A K 4A' 5=-.' <BB.4B =4' B=' BC. 5' BC<4' B=' 5@' = ; 4' G.- =-5<4H./' ; BC' BC.' HC=G&/B HL/' =-' BC.' /<]H.' HEG'' <' <G/.

; C HC'' ' C=G.'' ; </' =-A K.4' 5.' >@' 5@' C=/B/'' <40' ; ' C.' >@' 5@' -.<0.-/' C.' /=&H< .0' 0<4H./' G-./.4B.0' ; .-.' BC.' = = ; 4A'' ; C HC' 5<@' G=// > @' >.' <5 <-' B=' /=5.'' K ? :' ' =BHC 0EL'J 2' / A<5 (P' E5 4E- (S' /EBHC AE5='(' B/E>=/<-E' ' H=4 .//' BC<B' BC./.' 4<5.' C<K.' 4=B' <' <5 <-' <GG.<-<4H.' B=' 5@' = ; 4' .@.'' >EB' =BC.-/' 5<@' >.' 5=-.' =-BE4<B.'' <40' >.BB.-' K.-/.0' 4' BC.' 0-<5<' = ' <G<4

! E- 4A' BC.' 0 44.-' <4=BC.-' /E-G- /.' ;</' G-.G<-.0' =-' E/' 4' BC.' =-5' = '<' >- <4B' E5 4<B =4' ; BC' H= =E-.0' <4B.-4/' = 'BC.' <L.' <40' A<-0.4/' ' G-.BB .-' / ACB' = 'BC.' L 40' H=E 0' 4=B' ; . ' >.' <4@ ; C.-.' G-=0EH.0' B.-' BC.' 0 44.-' <40' BC.' 0<4H./' H<5.' /=5.' = ' BC.' -.4= ; 4.0' JEAA .-/' = ' <G<4'' = ' ; C=5' =4.' K.-@' = 0'' K.-@' /B=EB'' K.-@' B./B@'' <40' K.-@' H .K.-' -.G-./.4B<B K.' <HC .K.0' A-.<B' 0 /B 4HB =4'' <40' -.H. K.0' A-.<B' <GG <E/.' ' /C< ' =4 @' 4<5.' =4.' =-' B ;' = ' C /' /EHH.//./' 4.' ;</' BC.' B<L 4A' = ' <' /5< ' A <//' A =>.'' <>=EB' =E-' 4HC./' 4' 0 <5.B.-'' <40' GEBB 4A' <' BB .' ; <B.-' 4B=' B'' <40' BC.4'' ; BC=EB' <4@' 5.<4/' BC<B' ; .' H=E 0' /..' =-' 0 K 4.'' H<E/ 4A' BC /' A =>.' -/B' B=' >.H=5.' E '' <40' BC.4' B=' G <@' L.' <' =E4B< 4'' ; C HC' -=/.' <40' . ' <B' C /' H=5 5<40'' =-' </' C.' G <@.0' EG=4' B' ; BC' C /' <4 .' < /=' H<E/.0' BC.' ; <B.-' <GG<-.4B @' B=' G <@' EG ; <-0/' -=5' BC.' >= ; ' BC-=EAC' C /' <4'' BC-=EAC' <4@' G<-B' = ' B' </' C.' G .</.0'' <40' < /=' B=' <//E5.' K<- =E/' 4H 4.0' 0 -.HI B =4/'' <40'' 4' <' ; =-0'' B=' 0=' ; C<B.K.-' C.' 0./ -.0' 4=BC.-' = ' C /' B- HL/' ;</' B=' G-=0EH.' <' 4E5>.-' = ' G<G.-' <4B.-4/'' H=5G .B.'' ; BC' H<40 ./' <40' /E/G.4/ =4' ==G/'' -=5' <' >= ; ' = ' ; <B.-'' <40' B=' H<E/.' BC. 5' B=' >.H=5.' ACB.0' ; C.4' C.' G .</.0' < B.-' BC.@' C<0' G<//.0' -=5' C /' C<40' <40' C<0' >..4' CE4A' EG' <B' <' 0 /B<4H.' = ' /.K.-<' ..B' -=5' C 5' 4.' = ' BC. 5' ; =E 0' 4=B' ACB'' >. 4A'' C.' /< 0'' B==' ; .B(>EB' < B.-' <' . ;' 5 4EB./' C<0' . <G/.0'' C.' H=5 5<40.0' B' B=' >.H=5.' ACB.0'' <40' B' 4/B<4B<4.=E/ @' >.H<5.' /=' B' BC /' 0 44.-'' </' <B' BC<B' <B' /<L<'' BC.' A-.<B' H=5G 5.4B' = ' G <H 4A' >. =-.' <4' C=4=E-.0' AE./B' <' <-A.' /B<40' = ' <-B H < ' G <4B/' <40' = ; .-/' ; </' <A< 4' G< 0' 4' BC /' =HH</ =4' BC.' G- 4H G< ' AE-./' -.G-./.4B.0' AE-./' 0-.//.0' 4' = 0' <G<4./.' H=/BE5./'' <40' BC.-.' ; </' < /=' <' 4.' K</.'' 5<4@' >.<EB E' = ; .-/'' <40' =BC.-' =-4<5.4B/' C.' ; C= .' = ' BC./.' ; .-.' HEB' =EB' = ' BC.' =4A' BE-4 G/' = ' BC.

H=E4B-@'' <40' K.-@' H .K.- @' H= =E-.0 ' ' 40' BC<B' =4.' 5<@' < ; <@/' .NG.HB' 4' /EHC' G HBE-.&5=0. /' B=' 40' BC.' G 4.'' BC.' ><5>==' <40' BC.' G E5&B-.' -.G-./.4B.0'' </' BC.@' ; .-.' 4' BC /' 4/B<4H.' B.-' - / 4A' -=5' BC.' B<> .'' ; .' 0.K=B.0' =E-I /. K./' B=' BC.' .N<5 4<B =4' <40' .4J=@5.4B' = ' BC.' 5<4@' ; =-L/' = ' <-B' <>=EB' E/'' 4H E0 4A' -<-.' >==L/' <40' /H-= /' = '0-< ; 4A/'' /=5.' = ' A-.<B' <A.' <40' -<- B@'' <40' =BC.-/' 5=-.' 5=0.-4'' >EB' = ' 5<-L.0' 5.- B' B.-' B<L 4A' .<K.' = ' =E-' >.-< ' <40' H=E-BI .=E/' .4B.-B< 4.-/'' ; .' B==L' =E-' 0.G<-BE-.' <5 0/B' < > <?.' = ' <4B.-4/' <40' ></L.B&B=-HC./'' <40' BC-=EAC' < H-= ; 0' = ' /G.HI B<B=-/'' ; C=' ; .-.' >EB' &-. ; <-0.0'' ' .<-'' =-' BC. -' G<B .4B' ; < B 4A' ' C.<-0' < B.- ; <-0/' BC<B' BC.' G-.G<-<B =4/' =-' BC /' < B.-4==4' <40' .K.4 4A3/' G-=H..0 4A/' ; .-.' 5EHC' A-.<B.-' BC<4' <GG.<-.0' .K.4' B=' <' H<-. E' =>/.-K.-'' 4H E0 4A' <' 4. ;' ==-' =-' BC.' 0<4H./'' <40' =BC.-' ; =-L/' -.ME - 4A' B 5.' <40' <--<4A.5.4B' C.' ; C= .' < < -' ; </' .4B -. @' 4=K.' 4' BC.' G< <H.' = ' <' E00C /B' <-HC> /C=G'' <40' 5E/B' H.-B< 4 @' C<K.' >..4' 0E.' B=' /=5.BC 4A' @ 4A' K.-@' 5EHC' >.@=40' <4@' H < 5/' B=' H=4/ 0.-<I B =4' ; C HC' .K.4' A.4.-=E/' - .40/' 5<@' H-.0 B' 5.' ; BC'' <40' >EB' =-' BC.' G=/B' = ' C=4=E-' >. 4A' </ / A4.0' B=' 5@/. ' ' /C=E 0' C<K.' H=4H E0.0' BC<B' <G<4./.' <-HC> /C=G/' G<@' ; =40.- E ' -M/G.HB' B=' BC. -' 5 4 /B.-/' = ' BC.' H-= ; 4

E-' 4.NB' 0<@' <B' BC.' /<H-.0' H B@' D CE-/0<@'' 2,BC' = ' .>-E<-@F' ; </' H=55.4H.0' >@' <4' .NH..0 4A @' G .</<4B' BB .' .NG.0 B =4' B=' BC.' >.<EB E' K <A.' = ' -</C @<5<'' <40' >@' <4' </H.4B' EG' BC.' /B ' 5=-.' >.<EB E' - K.-' >.@=40' B' C.' C=/G B<> .' A=K.-4=-' = '' # =B=' C<0' H<E/.0' < ' 4.H.//<-@' <--<4A.5.4B/' B=' >.' 5<0.' =-' H<--@ 4A' =EB' BC.' B- G' G-=5GB @'' <40' <B' C< ' G</B' 4 4.' ; .' /B<-B.0'' <' B-< 4' = ' <' 0=?.4' ' B=' BC.' ; ./B.-4' G<-B' = ' BC.' H B@'' <40' >.@=40'' BC-=EAC' BC.' A<-0.4 : ' =-' B' G-<HB H< @' /' <' K</B' A<-0.4 : ; C HC' /B-.BHC./' < ; <@' B=' BC.' C /' E-' -=<0' <@' < =4A' <' /5< ' H<4< '' .0' >@' BC.' 5=E4B< 4' /B-.<5/'' <40' =<B 4A' /H=-./' = ' >=<B/' <0.4' ; BC' BC.' G-=0EH.' = ' BC.' EGG.-' <40/'' HC . @' H=4/ /B 4A' = ' ; ==0'' . BC.-' 4' B/' 4<BE-<' /B<B.' =-' 4' BC.' =-5' = ' HC<-H=< ' ; 4A'& B=' <' G= H.' = H.-' 4' R ' A= 4A' < BB .' <C.<0' = ' BC.' G<-B@' B=' H .<-' BC.' -=<0 : <' 4.H.// B@' ; C.-.' BC.' -=<0/' <-.' 4<--= ;' <40' ; BC=EB' ==BG<BC/'' <40' ; C.-.' .K.4'

$' 6 0' ℓ&. '" ' D - ' . 0 2

5 ACB' O=' 5EHC' 5 /HC . ' B=' HC 0-.4' <40' =BC.-/' ' 4=' /EHC' G-.H<EB =4/' ; .-.' B<L.4 : BC.' ; C= .' G=GE <B =4' = ' BC.' H B@' <40' BC.' K <A./' BE-4.0' =EB' B=' K . ;' BC.' B-<4/ B' = ' BC.' B-<I K. .-/'" <40' BCE/'" C.-.' </' . /. ; C.-.'" < =-0.0' E/' <4' .NH. .4B' =GG=-BE4 B@' = ' /.. 4A' BC. 5'" <40' =>/.-K 4A' < ' BC. -' 0 .-I .4H./' = ' GC@/ H<' </G.HB'" H=/BE5."" -. <B K.' H .<4 4.//'" <40' /=' =-BC ' 40' C.-.' ' 5<@' -.5<-L' BC<B'" -=5' BC.' /<5.' H<E/."" 4=' 0=E>B'" ; .' C<0' H=4B 4E< *=GG=-BE4 B ./' = ' /.. 4A' BC.' G.=G ."" <40' </' =E-' -=EB.' E/E< @' <@' < =4A' -./C' 4./' = ' BC=-=EAC <-."" ; .' 5E/B' C<K.' C<0' <' G<// 4A' A <4H.' = ' 5=/B' = ' BC.' G=GE <B =4*= ' BC.' H B@' <40' /E>E->/ ' 40' K.-@' A-.<B' 0 .-.4H./' ; .-.' =>/.-K<> ."" 5=-.' G<-B HE <- @' =4' BC /' =HH<I / =4'" ; C.4' BC.' G.=G .' = ' /=5.' = ' BC.' K <A./' <GG.<-.0' 4' /.K.-<' -./G.HB/' /=' 0 .-.4B' -=5' BC=/.' = ' =BC.-/' </' B=' /EAA./B'" ' 4=B' <' 0 .-.4H.' = ' -<H."" <B' .</B' K.-@' 5<-L.0' -./E B/' = ' /=5.' =-5' = ' .NH E/ K.' 4B.-5<-- <A."" . BC.-' =4' <' /5< ' D -' <' <-A.' /H< .' 9 B.-' <' /C=-B' 0- K. : ' =4.' 5<@' H< ' BC<B' <' 0- K.' 4' ; C HC' BC.-.' /' 4=' 0- K 4A' B=' C.' 0=4."" BC.' 0-< ; 4A' >. 4A' 0=4.' >@' <' 5<4'" <40' BC.-. =-.' 4' /=5.' 5G=-B<4B' -./G.HB/' <4' .ME< : ; .' G<//.0' BC-=EAC' BC.' >E/@' =-./B& .0' K <A.' = ' ' 0?E5</<'" <40' /==4' < B.- ; <-0/' -.<HC.0' -</ @<5<'" =4' BC.' ><4L/' = ' BC.' >.<EB E' A< ; <'" <40' < ACB.0' <B' =4.' = ' B/' BC-..' ; . &L4= ; 4' B.<&C=E/./ ' -=5' BC.' >< H=4./' = ' BC /' C=E/.' ; .' =>B< 4.0' 4.' K . ; /' = ' BC.' EGG.-' - K.-'" <40' = ' BC.' C AC' <40' - HC @' ; ==0.0' C /' >.@=40' C.' B-../' <-.' HC . @' HC.--@' 9 <40' -.0' 5<G ."" <40' ; C.4' BC.' =-5.-' <-.' 4' =; .-'" 4' G- '" BC.' 5=E4B< 4&/ 0.' /' /< 0' B=' G-./.4B'" <40' 0=E>B ./' 0=./' G-./.4B'" /EHC' K</B' 5<//./' = ' B<A-<4B' G 4L' > =//=5/' BC<B' BC.' G.=G .' = ' # =B=' <-.' <BB-<HB.0' =EB' 4' <-A.' 4E5>.-/' B=' BC.' G <H. ' 4' -=4B' = ' BC.' K <A.' BC.' - K.-' /G-.<0/' =EB' 4B=' >-=<0' /C< = ; /'" ; BC' H=4B-<HB =4 /' = ' BC.' >.0' 4' G <H./'" =-5 4A' /5< ' -<G 0/'" 0= ; 4' ; C HC' >=<B/' <40' -< B/' ; .-.' -.ME.4B @' A 0 4A'" <40' EG' ; C HC' BC.' >=<B/' ; .-.' G= .0' =-' GE4B.0' ; BC' H=4/ 0.-<> .' /L ' <-A.' ACB' >=<B/' D =-5.0' = ' G <4L/' ' 4HC./' BC HL'" G <H.0' .0A.' B=' .0A.

C.' <NJ<4=/.' HC.--@&B-..' 0 .-/' >.<EB@'" H= =E-'" <40' =0=E-' = ' B/' -=5' =E-/'" <40' /' HE B .4B=0' =-' BC.' > =//=5/

</B.4.0 >@ /E4L 4< /" <40 H<E L.0 L. BC. <G<4./. JE4L/" ; BC < >-. BC<B / ; . / 4 ; <B.-F ; .-. G-.G<-.0 =-E/" </ E/E< ; BC B.<" H A<-.BB./" <40 =BC.- 4.H.//<- ./ = ." <40 < 4E5>.- = =H< /C.-5.4 < 0 =EB BC. - 4.B/ <-=E40 < 0..G G <H." B=.NC > B BC. /@/B.5 = /C 4A BC.-. GE-/E.0 @ /B-.BHC 4A < 4.B ; BC / 4L.-/ <H-=// G<-B = BC. /B-.<5" -=5 BC. /E- <H. B= BC. >=BB=5" BC. .40/ >. 4A H<-- .0 C AC.- EG /B-.<5 BC<4 *C. 5 00 ." <40 >@ BC.4 /B-.BHC 4A -=5 BC./. .40/ <4=BC.- /EHC" >EB /C=-B.-" 4.B" BC. >=<B/ <40 /C.-5.4 ; .-. 4H =/.0" <40 BC. /C ; BC BC.5 C. ; <B.- >. 4A / 4AE <- @ GE-. <40 H .<-" BC.* /C ; .-. BC.4 ==L.0 =-" <40 ; C.4 /..4 C<0 < ACB C<40&4.B BC-=;4 0.NB.-=E/ @ =K.- BC.5 .4" /B- GG.0 =- BC. GE-G=/." BC.4 0 K.0 < B.- BC. .4B<4A .0 /C" <40 >-=EACB BC.5 B= BC. /E- <H.

E- >=<B ; </ /==4 < B.- ; <-0/ B<L.4 4 B= ; >@ BC-.. 5.4" .<HC ; BC C / = ; 4 =4A <40 K.-@ ACB B= ; & 4. /.G<-<B. @ <BB<HC.0 B= C.-" < 5<4 <B .<HC .40 ; BC < G= . AE 0 4A =E- H=E-/." <40 < ; <@ ; . ; .4B EG BC. - K.-" ; C HC < 5=/B 55.I 0 <B. @ >.A<4 B= H=4B-<HB" <40 B= G=E- 0= ; 4 <A< 4/B E/ =K.- < >.0 = 55.4/. -=HL/ <40 >=E 0.-/" <40 BC-=EAC HC<44. / /= 4<--= ; BC<B B /..5.0 /H<-H. @ G=// > . =- =E- C=<B B= G</ = ; .K.-" </ ; . 0-. ; CEB <>=EB /.K.4 4HC./ = ; <B.- ; BC B ; . K. = E/ =4 C=<-0" =4 ; . ; .4B" /5==BC @ A 0 4A < =4A BC. /5==BC.- G <H./" <40 B 4A EG =E- >= ; / <40 < - @ H 5> 4A EG BC. /B..G <40 -E/C 4A ; <B.-/ ; C.4 BC. 4.H.// B@ ; </ =-H.0 EG=4 E/ 4 /=5. G <H./ BC. >=<B ; </ >EB < . ; 4HC./ 4<--= ; .- BC<4 BC. HC<44. " .K.4 4 BC. /B..G.- G<-B/" <40 <B =BC.-/ < ; <@ =- >=<B/ C<0 =4 @ >..4 =>B< 4.0 >@ BC. >E 0 4A = < /=-B = ==/. H<4< ; < 4 BC. /B-.<5 <B < >=<B3/ ; 0BC -=5 BC. /C=-. C. 0<@ ; </ 4. <40 ; <-5 (BC. - K.- GE-. <40 E = -. -./C 4A /=E40/ (=E- B= ; &.-/ / ; B" =E- /B..-/5.4 < .-B (<40 4=BC 4A ; </ ; <4B 4A B= BC. /EHH.//" = BC. A=K.-4=-/ L 40 @ 0.K /.0 .NHE-/ =4 <4@ =BC.- .NH B.5.4B C<0 >..4 4..0.0" B 5 ACB C<K. >..4 0-< ; 4 -=5 =4. = BC. G-.BB ./B G .H./ = 5=E4B< 4 /G=-B BC<B C<K. .K.- /..4" ; C HC =HHE--.0 >. =-4 ; . BE-4.0 =E- >=<B =- BC. 0./H.4B AC =K.- =E- C.<0/ Z

$' 6 0' W &. " ' D - ' . 0 2 ,

=E-' -.0' 0..-' H<5. >=E40 4A' -=5' B .' =-./B"' <40' CE--@ 4A' 0=;4' /B-.<5;<-0/' </' </B' </' BC. -' =HH</ =4<' >.; 0.-5.4B' <40' C./ B<B =4' ;=E 0' < =;' BC.5' $-./.4B @"' /B ' C AC.-' <>=K.' E/"' <GG.<-.0' BC.' /G=-B/5.4"' ;C=' /<;' BC. -' A<5.' >EB' H=E 0' 4=B' -.' ; BC=EB' -E44 4A' BC.' -/L' =' >- 4A 4A' 0=;4' 4' =E-' >=<B' BC.' -/B' 5<4' =' BC. -' =;4' H B@"' <40' <' .;' =BC.-/' =' .//' 5G=-B<4H.' DC /' .NH. .4H@' ;</' 4=B' ; BC' E/F"' >EB' /B ' K< E.0"' 0=E>B .//"' >@' /=5.' =4.' =-' <4=BC.-' C.@' BC.-. =-.' A.4.-=E/ @' -. -< 4.0' =-' BC.' B 5.' -=5' ;C<B' 5E/B' C<K.' >..4' <' A-.<B' B.5GB<B =4"' /.. 4A' BC<B' .K.4' 4' 4A <40' B/. ' - .40/' <-' B==' -.ME.4B @' A.B' /=' .<A.-' < B.-' <' G<-B- 0A.' =-' <' C<-.' </' B=' /C==B9' .<HC' =BC.-3/' .@./' =EB' C.' 0..-" C=;.K.-" /..5.0' /=' BB .' 0 /G=/.0' B=' /G=' /G=-B' BC<B' BC.@' 5<0.' BC.' >./B' =' BC. -' ;<@' B=;<-0' BC.' AE4/"' <40' < B.-' <' BC -0' 0 /I HC<-A.' =4.' =' BC.' C.-0' H<5.' -= 4A' 0=;4' BC.' C / 0.' B' ;</' >-=EACB' B=' E/' =-' 4/G.HB =4' <B.-' 4' BC.' 0<@' D; BC' BC.' G<BC' =' <' >E .B' BC-=EAC' B/' G==-' BB .' 44=H.4B' C.<-BF"' <40' /E>/.ME.4B @' G<//.0' BC-=EAC' BC.' L BHC.4' =4' B/' ;<@' B=' =E-' B<> ." <40' G-=><> @' 4=;' /" 5=-.' =-' .//"' <' G<-B' =' BC.' >-< 4' BC<B' BC 4L/' <40' BC.' C<40' BC<B' ;-B./' BC / 9' C.' A<;<' K.-' /' </' E4 L.' BC.' C<5./' </' B' H=E 0' G=// > @' >." >EB' B/' ;==0.0' ><4L/"' =-' -<BC.-' BC.' ;==0.0' C /' <>=K.' BC.5" <-.' 4' G <H./' /EAA./B K.' =' BC.' C<5./' <B' < 0.4C.<0" =4 @' >=BC' / 0./' = 3BC.' - K.-' <-.' .ME< @' 4." <40' BC.' C /' <-.' H=4B 4E=E/' </' <-' EG' </' ;.' ;.4B' C.' A=K.-4=-' 4I =-5.0' 5.' BC<B' C.' -.ME.4B @' C</' B=' </H.40' BC.' A<;<' B=' <' G <H.' ' 5 ./' <>=K.' -</C @<5<" <40' BC<B' B' H<4' >.' </H.40.0' =-' 2' 5 ./' -=5' BC<B' K <A.' 4' =E-' ;<@' ;.' G<//.0' /.K.-<' >=<B/' <40' B-< 4/' =' >=<B/" /C==B 4A' BC.' -<G 0/' <40' / 0 4A' /; B @' B=;<-0/' BC.' H B@"' <40' < B.-' <' ;C .' =E-' =;4' >=<B' ;</' BE-4.0"' <40' ;.' H=55.4H.0' BC.' 0./H.4B' 4' L.' 5<44.-' B' ;</' <-.G.B B =4' 4' 5 4 <BE-.' =' BC.' 0./H.4B' =' BC.' -<G 0/' =4' BC.' B' <;-.4H.' 5<0.' / N' 5=4BC/' >. =-." <40' -.ME -.0' </' 5EHC' L4=; .0A.' <40' /L ' =4' BC.' G<-B' =' =E-' G =B/' </' /' G=/.//.0' >@' BC.' =0' 40 <4' ;C=' >=<-0/' BC.' =4B-.<' >=<B' =-' <' L.' GE-G=/." <40' /.BB ./

_' C /' G<//<A.' ;</' ;-BB.4"' ='H=E-/." <' .;' 0<@/' <B.-;<-0/

0= ; 4 ME .B @ <40 G-=E0 @ B= C / B</L BC=EAC 0.K= 0 4= ; = C / .<BC.-/ <40 G< 4B.0 /G .40=E-/ 4& 5<4@ G <H./ BC. BC 4 >=BB=5 = BC. CY<B ; </ B.0 4B= <. /.- ./ = ; <K./ >@ 0-<AA 4A =K.- BC. -=HL/ >EB /E .-.0 BB . -=5 B BB . E-BC.- /C 4A ; BC ACB.- 4.B/ =4 < 0 .-.4B /@/B.5 =4 BC. -</C @<5 ><4L H=5G .B.0 =E- - K.- .NG.- .4H./ 5 .<40 < C< 3/ 0- K. < B.- <40 4A < =4A BC. ; ==0.0 Ž><//. / = BC. C / >-=EACB E/ B= BC. C 4B= B.5G . = <B& /E4= 4/C< C HC / =4. = BC. <-A./B = BC=/. ; C HC BC. 5G.- < A=K.-45.4B /EGG=-B G.HE4 <- @ B / < K.-@ 4. B.5G . <40 >.<EB E @ / BE<B.0 H =/. B= BC. ==B = < ; ==0.0 C B ; </ =E40.0 4.<- @ B ; . K. CE40-.0 @.<-/ <A= >@ BC. =-0.- = =55E& .44="; C=&-. A4.0 -=5 7 , F B= , , >EB B C</ >..4 BC=-=EAC @ -.G< -.0 =E- B 5 ./1 BC. G-./.4B >E 0 4A/ <-. BC-.. CE40-.0 <40 BC -B@&B ; = @.<-/ = 0 B C</ BC-.. /C- 4./ >EB =4 @ =4. A=0 @<5<LE <40 =4. A=00.// ; BC BC. 4B.-./B 4A 4<5 . = HC L /C 5<& C 5.4=&5 L=B= ; C HC >. 4A 4B.-G-.B.0 5.<4/ < 5 B= 0 BC<B /C. ; </ BC. G- 4H.// HC L /C 5< <40 >. =4A.0 B= BC. 5G.- < <5 @ = BC. L<0= C. B.5G . >=-. 5<-L/ = B/ </ /=H <B =4 ; BC BC. 5G.- < <5 @ 4 BC. =-5 = 0-<G.-@ >.<- 4A BC. 5G.- < H-./B <40 = < G< - = #=-.<4 0=A/ D=- =4/ </ /=5. G.=G . H< BC.5 ; BC BB . .<- = >. 4A G-=K.0 ; -=4AF 4 -=4B = BC. G- 4H G< < B<-

E- 0- K./ <40 =E- - K.- .NG.0 B =4 C<K 4A =HHEG .0 /=5. C=E-/ <40 /B 5E <B.0 E/ ; BC G .4B@ = -./C < - YE- BC=EACB/ 4K= E4B<- @ >.A<4 B= BE-4 B= ; <-0/ =E- GC@/ H< -. -./C5.4B <40 ; </ 4=B /E-G- /.0 B= .<-4 BC<B BC / =-5.0 BC. 4.NB G<-B = BC. G-=A-<55. = =E- BC=EACB E C=/B/ A /E-G- /.0 C= ; .K.- <40 0. ACB.0 <B BC. <--<4A.5.4B/ ; C HC 0 /G <@.0 BC.5/. K./ ; C.4 < B.- <4=BC.- 0- K. : 0E- 4A ; C HC ; .G<//.0 < <-A. A=K.-45.4B G<G.-&5<4E& <HB=-@ <40 < 5<H<-=4 &5<L 4A ./B<> /C5.4B >=BC <BB-<HB.0 >@ BC. GE- B@ = BC. ; <B.- : ; . < ACB.0 <B#<B/E-<4=A=>.//="9 BC. H=E4B-@ /.<B = =4. = BC. 5.5>.-/ = BC. 5G.- < <5 @ ; C.-. E4HC.=4 ; </ /G-.<0 4 <4 =G.4 -==5 ; BC

Z /G< <H. ; </ >E B>@ BC. A-.<B < L= =- BC. G- 4H. = <BHC J= = 4 @<

=4. = BC. 5=/B >.<EB E A<-0.4/ BC<B C<K. /..4 @ 4A /B.. F.0 4 /E4 <40 / .4H. C. G< <H. ==- C<0 >..4 H=K.-.0 ; BC H<-G.B/ <40 -EA/ = # =B= 5<4E <HBE-. <40 E-4 /C.0 E-=G.<4 </C =4 =- BC. =HH</ =4 BC. B<> . 0.I H=-<B.0 ; BC >.<EB E G <4B/ <40 = ; .-/ ; C . <>=<B CE4A ; BC <A/ < ; < B.0 E/ =4 BC. <L. <40 4 < <L.&C=E/. /H-..4.0 >@ B-../ <><40 = 5.4&5E/ H <4/ 0 /H=E-/.0 BC. / ; ..B /B-< 4/ = <G<4 /= BC<B < BC<B 5<4 <40 <BE-. H=E 0 B=A.BC.- 0= B= 5<L. BC 4A/ G .</<4B C<0 >..4 0=4. E4HC.=4 H=5I 5.4H.0 BC. ><40 /B-EHL EG W) -.<B .</B"3 = = ; .0 >@ X) -.<B $.<H."3 W ..BC. =4ME.-=- 5<-HC 4A ><HL B= C / </B ."3 W =4A& K. BC. =4"3 <40 =BC.- <G<4./. < -/ /=5. = ; C HC <GG.<-.0 B= 5. B= <GG-=<HC 5EHC 5=-. 4.<- @ B= E-=G.<4 5E/ H BC<4 <4@ C<0 >. =-. C.<-0 4 X) -.<B $.<H.3 ; </ -. 5 40.0 = ME .B G<//<A./ 4 BC. W$</B=-< @5GC=4@3 = ..BC=K.4 ! E- 4A BC. B 4 BC. /E/H.GB I > B ./ = 5@ /=4 <40 5@/. ; .-. < BB ./C=HL.0 >@ =4. = BC. <BB.4B =4/ /C= ; 4 E/ ; C HC H=4/ /B.0 4 /.-K 4A< K. < <-A. /C B<L.4 4 BC. 5=-4 4A =4. / 0. = B >. 4A< 5=/B .4B -. @ H<-K.0 B= G .H./(>EB BC. H<-K 4A /= 0=4. :BC /> . 4A BC. G-== = /L 4 BC. <-B /B : BC<B BC. /C ;</ /B ME B. < K. <40 C<0 B /..5.0 < -.G-=<HC E ==L 4 B/ 5=K 4A .@.</ B ; </ C<40.0 -=E40 L4= ; BC<B B / 0. B= <BB.5 GB /= B= K. </

WL *) * ' (' =:* / 2' % ' .:*-'% *' ' % ' . 2*'
(0' ' +' &' (0*' 3*-/*'(' (0 / ; ' (0-(' &**:' H

=- ; . <-. H=4B 4E< @ 4 HB 4A /=--= ; EG=4 /=5.BC 4A =- /=5.>=0@ <40 <- B== = B.4 EG=4 /=5. = BC. 4=> .- Q BC 4A/ BC<B .. (R >EB .B E/ C=G. BC<B ; . <K= 0 BC / </ = B.4 </ G=// > . B <4@ -<B. ; ; </ => A.0 B=.NHE/. 5@/. -=5 /C<- 4A 4 BC. 0. H<H@ /= 5EHC <GG-.H <B.0 >@ /=5. = BC. G<-B@ 4 < BB . H=4K.-/<B =4 ; C HC = = ; .0 ; </ -.I 5 40.0 = =E- = ; 4 5=0. = / <EACB.- 4A H< K./ <40 =BC.-I ; /. B=-BE- 4A <4 5< / <40 C<0 -.H< .0 B= 5@ -.H= .HB =4 BC. <HB BC<B E4B BC. H K / 4A 4 E.4H./ = E-=G. -.<HC.0 <G<4 <40 EG B= B..4 @.<-/ <A= BC. / <EACB.- 4A = =N.4 . BC.- = 0 =- @=E4A ; </ => 00.4 BC.-. <40 H=4/ 0.-.0 B= W

K=4 ' ' $

>.' >-EB< ' B.-' E4HC.=4'' BC.' A=K.-4=-' 0 0' 5.' BC.' C=4=E-' =' A K 4A' 5@' C.< BC'' <40' ; .' BC.4' <0J=E-4.0' B=' BC.' =K. @' A<-0.4/'' ; C.-.' =-' /=5.' B 5.' ; .' A<K.' H =/.' <BB.4B =4' B=' BC.' 5E/ H'' <40' BC.' 4/B-E5.4B/' =-' G-=0EH 4A' B ' ' B- G' =4' BC.' <L.' H=4H E0.0' BC.' .4B.-B< 45.4B/' = ' BC /' K.-@' 0. ACB E ' G <H.

.' 4= ;' 0-=K.' B=' BC.' A-.<B' =J ' B.5G .'' ; C HC' /' BC.' HC . ' B.5G .' 4' <G<4' = ' BC.' C 4A=4' /.HB' = ' E00C /B/'' =E40.0' >@' BC.' E/B- =E/' #=>=&0< /C ' B' /' /=5.B 5./' L4= ;4' </' # @==')=L=LEJ'' <40' ; </' -/B' >E B' B.4' CE40-.0' <40' . ACB@&' B ;=' @.<-/' <A='' >@' =-0.-' = ' #E ;<5 5E& .44=' D, 2& ' ' C.' G- 4H G<' >E 0 4A/' <-.' </' = = ; /1 ' < & 4'' ; C HC' ; </' =- A 4< @' BC.' 0 ; . 4A&C=E/.' = ' #=>='' ; C.-.' C<4A/' < L.4.//' = ' C 5/. ' B' ; </' </B' -.>E B' K.' CE40-.0' @.<-/' <A=' .-.' /' /C<5=4'' =4.' = ' BC.' /.K.4' A=0/' = ' ; .< BC ' 2' =L 0='' ; BC' <' # ; <44=4' = ' <' BC=E/<40' C<40/'' =K.-' =4.' BC=E/<40' @.<-/' = 0'' <BB.40.0' >@' =E-' AE<-0 <4/' = ' .//' <A. ' K.-' BC /' A=0I 0.//' BC.-.' /' G< 4B.0' =4' BC.' H. 4A' <4' 55.4/.' <40' /G .40 0' 0-<A=4'' 4' > <HL' <40' ; C B.'' .N.HEB.0' / NB@' @.<-/' <A=' >@' <4' <-B /B'' ; C=' -.H. K.0' 2 ' 2 ' /<@' US '' =-' 0-< ; 4A' B ' C.' G- ./B' ; C=' L 40 @' -.H. K.0' E/' <40' /C= ; .0' E/' BC-=EAC' BC.' B.5G .' /5 .0' </' C.' H=55E4 H<B.0' BC /' </B' G .H.' = ' 4 =-5<I B =4'' >EB' ; C.BC.-' <B' BC.' 5E4 H.4H.' =-' 4/ A4 H<4H.' = ' BC.' /E5' ' L4= ;' 4=B ' 4' BC /' >E 0 4A'' ' '-.5.5>.-' - ACB @'' BC.-.' ; </' <' <-A.' H= .HB =4' = ' A=0/' <40' <4B.-4/'' <40' =BC.-' ; =-L/' = ' <-B' -=5' =BC.-' B.5G ./'' <40' <5=4A' BC.5' <4' .NH..0 4A @' H .K.-' A-=EG' = ' BC-. .' 5=4L.@/'' =4.' H =/ 4A' C /' .@./'' <4=BC.-' C /' .<-/'' <40' <4=BC.-' C /' 5=EBC'' ; BC' C /' C<40/' 4' .<HC' H</.'' G=// > @' /EAA./B K.' = ' BC 4A/' ; C HC' /=' 4B. A.4B' <4' <4 5<' BC=EACB' B' ; . ' B=' <K= 0' /.. 4A'' C.<- 4A'' =-' /G.<L 4A' = ' .' < B.- ; <-0/' =E40' BC /' A-=EG' B=' >.' G=GE <-' <40' = & d9.G.<B.0' 4' <G<4 ' B' 5E/B' 4=B' >.' B<L.4' </' E4L 40' ' ' -.5<-L' BC<B' BC.' A=0/' 0=' 4=B' 5G-=K.' 4' <GG.<-<4H.' =-' 0 A4 B@' =4' >. 4A' JE5> .0' B=A.BC.-' 4' <' H-= ;0' </' BC.@' <-.' C.-.(' A K.' =4.' <' /C- 4.' B=' C 5/. '' H=K.-' C 5' ; BC' <' HE-B< 4' >EB' /. 0=5' =G.4.0'' L..G' BC.' G.=G .' <B' <' BB .' 0 /B<4H.' -=5' C 5'' /.B' C 5' 4' <' 0 5' -. A =E/' ACB' ' /..4' <B' < '' .40= ;' C 5' ; BC' A-.<B' <A.'' <40' B-.<B' C 5' ; BC' <' < -'<5=E4B' = ' -.K.-.4H.

$' 6 0 &. ' ' D - ' . 0 l

<40' H.-. 5=4@'' <40' >.' 5E/B' >.' <' K.-@' G==-' 5<A.' 40..0' '
C.' 0=./' 4=B' <4/ ; .-' BC.' =4 @' GE-G=/.' =-' ; C HC'' /=' BC.' G- ./B'
G=/ B K. @' <//E-.0' 5.'' C.' /' .K.-' 4B.40.0'' K ?' BC<B' = ' -. I
5 40 4A' E/' = ' =4.' ; C=5' ; .' H<44=B' /..' 4'G.-/=4'' <40' ; C=5'
B' /' 5=/B' 4.H.//<-@' B=' -. 5. 5>.-' P9 #=0='' ; C.-.' <-.' B=' >.'
/..4' K.' <-A.' /B<BE./'' <40' < /=' <' /EG.->' /.B' = ' =E-' C= @'
AE<-0/'' BC.' <BB.-'G-=0EH.0' >@' BC.' A-.<B' #=>=&0< /C ' C 5/. '
B' ; </' 4=B' >@' <4@' 5.<4/' >@' ; ==0&H<-K 4A' BC<B' #=>=&0< /C '
5<0.' C /' -.GEB<B =4' <40' >.H<5.' BC.' =E40.-' = ' <' A-.<B' <40'
G= ; .- E ' /.HB'' >EB' BC./.' 4.' <40'K A=-=E/' ; =-L/' = ' C /' C<40/'
40 H<B.' C= ;' A-.<B' <' =-H.' BC.-.' ; </' 4' BC.' 5<4 ' S ' #=40='
; C.-. 4' /' <4=BC.-' /.B' = ' 5EHC' /5< .-' /B<BE./'' <>=EB' BC-..'
..B' 4' C. ACB'' >EB' B ; . K.' 4' 4E5>.-'' < /=' H<-K.0' >@' #=>=&
0< /C '' <40' 40 H<B 4A' BC.' /<5.' ; =40.- E ' G= ; .-' 4' BC.' 5<4'
</' <4' <-B /B ' ' =><'' =-' BC.'$<A=0<'' ; C HC' /' ' ..B' /ME<-.''
<40' ' ..B' 4' C. ACB ' C.' -/B' G<A=0<' ; </' >E-4B' 0=; 4'
B ; =' 440-.0' <40' =-B@&/ N' @.<-/' <A='' <40' BC.' G-./.4B'
/B-EHBE-.' -.>E B' >@' BC.' C=AE4' @.5 B/E ' B' G-./.4B' B'
G=//././/' >EB' <' G==-' </!=-B5.4B' = ' 5<A./ ' C.-.' <-.' 4'
BC./.' =J ' B.5G ./' =BC.-'5=-.' -.5<-L<> .'A=0/'' 4H E0 4A'B ; ='
H< .0' =40.4'' .<HC' ; BC' BC-..' C.<0/'<40' =E-'<-5/(>EB' BC.'
A-.<B' HC<-5' = ' =J ' B=' 5. : <40' B' C<0' <' A-.<B' HC<-5 : ; </'
BC.' <HB' = ' B/'/B<40 4A'' L.' /=' 5<4@' =BC.-' <G<4./.'B.5G ./''
4' <' 4.' =G.4' ; ==0.0' G<-L'' ; C.-.' BC.' G.=G .' H<44=B' H=5.'
; BC=EB' >.4. B'' <40' ; C HC' /EGG ./' >.-< @' BC<B' -.'
>-.<BC 4A&/G<H.' ; C HC' =E-' H B ./' <40' B= ; 4/' <B' C=5.' /=' = B.4'
4..0' ' ; =40.-' ; C.BC.-' BC.' B 5.' ; ' .K.-' H=5.' <A< 4' ; C.4'
-. A =E/' /.HB/' 4' =E-' H=E4B-@' ; ' H=4B 0K.' B=' 5 4 /B.-' B=' BC.'
5 40/' <40' /=E /' = ' BC.' G.=G .' 4' B.5G ./' -=E40' ; C HC' BC.'
=G.4' < -' = ' C.<K.4' H<4' -.. @' H -HE <B.'' <40' ; C.-.' 4' BC.'
/C<0.' = ' B-../'' <40' ; BC' BC.' H=4K.4 .4H./' = ' .' G-=K 0.0''
BC.@' H<4' >.' 5<0.' B=' .. ' BC<B' -. A =E/' ; =-/C G' H<4' >.' </!=I
H <B.0' ; BC' <' 4=> .' -.A<-0' =-' >=0@' <40' /=E ' < L.' B'
<4@' -<B.'' ' .. ' A-<B. E ' B=' BC.' G- ./B/' <40' 0.5 &A=0/' <40'
L<0=/' <40' @H==4/' = ' BC /' H=E4B-@' BC<B' BC.@' C<K.' 4=B'
5<0.' G- /=4/' = ' BC. -' B.5G ./'' >EB' C<K.' >.-< @' /.HE-.0'
=-' BC.' H-=; 0.0' G.=G .' BC.' > .// 4A/' = ' < -' <40' ACB'' <40'
< ' BC.' =BC.-' =:*'' / ; '' ; C HC' <BB.40' BC.5

G' 2

5E/B <05 B C= ; .K.- BC<B .C</ 4=B < ; <@/ >..4 <40 5<@ 4=B < ; <@/ -.5< 49 H= V. -) .K.4 <B BC. =J B.5G ./ C. /B=-5/ = ; <-C<K. -<K<A.0 BC.5 B== = B.4 <40 4 4.CE40-.0 @.<-/ <A= /=5.= BC.5 ; .-./C<L.4 0=;4 >@ <4 .<-BCME<L. B=A.BC.- ; BC =BC.- B.5G ./ <40 < .;G< <H./ 4 # =B= 4= .//BC<4 B@ G-.H =E/ G- ./B/ >. 4A H-E/C.0 4B= EBB.- 4EB B@ 4 =4.B.5G .< =4.

-=5 BC. =J B.5G ./ ; .0-=K. >@ <GG= 4B5.4B B= BC. A-.<B C 4/CE B.5G . = /C & =4A<4J <B ; C HC BC. <-HC> /C=G = BC. ./B.-4 CE-HC C<0 G-.K =E/ @ 4K B.0 =E- G<-B@ B= /C<-.C / C=/G B< B@ C / / < <5=E/ <40 /G .40 0 B.5G . <40 < H=-0 < 4K B<B =4 -=5 BC. C.<0 = BC. D ; ./B.-4F C 4/CE < BC B= 0 4. BC.-. ; </ =4. ; C HC H=E 0 4=B >. =BC.- BC<4 ; . H=5. B= < /B-<4A.- L. 5@/. 0./ -=E/ = /.. 4A BC. 44.- . = BC. H=E4B-@ E- -.H.GB =4 <40 .4B.-B< 45.4B ; .-. 4 .K.-@ ; <@ ; =-BC@ = =E- C=/B ; C= ; BC C / >-=BC.- /G<-.0 4= G< 4/ B= 5<L. E/ ; . H=5. <40 C<GG@ B BC. .4B-<4H.&0==- = BC. B.5G .&G< <H. ; . ; .-. -.H. K.0 >@ BC. >-=BC.- = BC. HC . G- ./B ; C= < B.- H=40EHB 4A <40 4B-=0EH 4A E/ B= C / .5 4.4H. 5<@ /= H< C 5 <40 = .- 4A -. -./C5.4B/ H=40EHB.0 E/ BC-=EAC BC. B.5G ./ <40 BC.4 B= < A<-0.4 <40 < C=E/. ; C HC ; </ =-5.- @ BC./E5 5.- -./ 0.4H. = BC. A-.<B < L= D 0.@=/C F ; BC -.5 4 /H.4H./ = ; C=5 BC. G <H. <>=E40.0 .-. BC. HC . G- ./B < 5<4 H=5G<-<B K. @ @=E4A <40 = C<40/=5. G-./.4H. : ; C=/. = H. C@&BC.&C@ / C.-.0 B<-@ : J= 4.0 E/ <40 ; .4B ; BC E/ =K.- BC. G <H. C. C=E/. ; </ G.- E5.0 ; BC / ; ..B&/5. 4A 4H.4/. <40 4 =4. = BC. -==5/ BC. <-B = >E-4 4A B H.-.5=4 < @ ; </ /C=;4 4 0.B< <40 ; BC K<- =E/ ;==0/ G-=0EH 4A 0 .-.4B =0=E-/ B >. 4A .NG < 4.0 BC<B =4. = BC. 5=0./ = <5E/ 4A BC. AE./B/ = G- ./B/ ; C.4 B 5. C</ B= C. G</B / B= G-=0EH. 0 .-.4B /H.4B/ <40 /.B BC. AE./B/ AE.// 4A BC. ; ==0 -=5 ; C HC B ; </ G-=0EH.0 : < G</B 5. =>K =E/ @ -.ME - 4A =- B/ /EHI H.// E GE-/E B /=5. .NG.- .4H. = B.5G . .<40 4H.4/.I >E-4 4A C.-. ; </ 4= B 5. 4 BC. G-./.4B 4/B<4H. B= /BEO@ BC / 5=0. = <5E/.5.4B 4=- .K.4 B= /.. BC. H.-.5=4 < /@/B.5 = >E-4 4A BC. 4H.4/. E @ H<-- .0 =EB >EB ; C<B

-=5 40 < BC-=EAC C 4<"6 CEB =BC.-/ = BC.5 >. 4A GE-. @ <G<4./. =5. ; C HC C<0 >..4 >-=EACB -=5 C 4< C<0 H.</.0 B= >. G.- =-5.0 BC.-."6 <40 H<4 =4 @ 4= ; C. /..4 4 BC / B.5G . BC=EAC 4 C 4< BC.@ ; .-. G.- =-5.0 ; BC /=4A/"6 B ; </ =E40 BC<B BC. /=4A/ ; .-. 4=B /E B.0 B= <G<4"6 <40 H=4/.ME.4B @ C<K. 4.K.- >..4 E/.0 BC.-. C. -/B 0<4H. -.G-./.4B.0 BC. 5=K.5.4B/ = > -0/ 4 < E00C /B B.5G . 4 40 <(4 BC. /.H=40"6 >EBB.- ./ ; .-. /EGG=/.0 B= >. 5 B<B.0"6 <40 BC / 4K= K.0 < H.-B< 4 <5=E4B = /B.GG 4A <40 G=/BE- 4A 5=K.5.4B/ ; C HC -.5 40.0 =4. = E-=G.<4 0<4H./ 5=-. BC<4 <4@ G-.K =E/ @ /..4 4 <G<4 : 5=-. ./G.I H < @ = BC. G-. 5 4<-@ 5=K.5.4B/ = =E- >< .B&0<4H.-/ >. =-. BC. -.4?@ /.B/ 4 C. BC -0 0<4H. ; </ GE-. @ <G<4./."6 4B-=0EH.0 /.K.4 CE40-.0 @.<-/ <A="6 <40 G.- =-5.0 4 BC. = 0 5 B<-@ H=/BE5. = BC. H=E4B-@"6 BC. C.<00-.//./ = ; C HC"6 ; BC =BC.- G<-B/"6 ; .-. BC. 5 B<-@ </C =4 0= ; 4 B= BC. B 5. = BC. -.K= EB =4 = 7 EB/ 0. = BC. ><4ME.B& C< "6 <40 K / > . BC-=EAC BC. <- .40 = B"6 ; .-. <-A. ></L.B& B=-HC./ > <? 4A"6 </ / E/E< ; C.4 BC. ./B K< 0<4H./ <-. G-=H..0 4A

. C<0 BC. K.-@ A-.<B <0K<4B<A. =4 BC / =HH</ =4 = BC. G-./.4H. = < C AC @ .0EH<B.0 G- ./B"6 L<5<B?"6 ; C= C<0 >..4 B= E-=G. B= /BE0@ <40 -.G=-B =4 BC. -. A =4/ = BC. ./B"6 <40 ; C= /G=L. 4A /C K.-@ ; . "6C<K 4A >..4 B ; = <40 < C< @.<-/ 4 4A <40 = B==L A-.<B G< 4/ B= .NG < 4 4 < ME .B ; <@ .K.-@BC 4A </ B G-=H..0.0" / GG 4A -=E40 -=5 C / G <H. <B BC. / 0.& ; 4A = BC. B<> . =- BC / GE-G=/. </ = B.4 </ B <GG.<-.0 B= C 5 0./ -<> . B 5<@ C. 4B.-./B 4A B= /=5. = 5@ -.<0.-/ B= .<-4 BC<B BC / .NH. .4B G- ./B"6 G=//.// 4A"6 < L4= ; .0A. = 4A <40 <40 BC. 4A /C"6 <4 < /= BC. HC . G- ./B ; C= ; </ =E- C=/B =4 BC / =HH</ =4"6 40 .5>-<H.0 4 BC. - /.HB =4 = BC. E00C /B < BC < BC<B BC.@ H=4/ 0.- A==0 <40 B-E. 4 BC. C- /B <4 -. A =4"6 <40 <-. 4=B ; BC=EB C=G. = /.. 4A 4A <40 <0=GB"BC / K . ;"6 <40 ; BC B BC. B.4.B/ <40 G-<HB H. = BC. - < BC"6 ; C HC BC.@ H=4/ 0.- 5=/B .NH. .4B 9 B ; >. A-<B @ 4A"6 0=E>B .//"

M ** - . *) %" / (1** & 8-3-(A + (0 - . - . * & 3 0 " . * / / (0** 10-.(* / 9 22:2 3 ?)%: . @

B=' BC.' 5<4@' A==0' G.=G .' <B' C=5.' ; C=' ==L'EG=4' E00C /B/' </' . A > .'^ =-' H=4K.-/ =4' B=' BC. -' G<-B HE <-' K . ; /' = ' BC.'
C- /B <4' -. A =4' D ; C<B.K.-' BC.@' 5<@' C<GG.4' B=' C.' 4' .<HC' H</.F'' B=' 40' BC. -' = ; 4' A.4.-=E/' <40' >.4. H.4B' 4B.4B =4/' /=' .4B -. @' -.H G-=H<B.0 ' 40' BC /' 5<@' >.' BC.' G-=G.-' G <H.' B=' 5.4B =4' BC.' AE-./' A K.4' B=' 5.' 4' H=44.HB =4' ; BC' BC /'' BC.' C 4/CE' /.HB' = ' E00C /B/' = ' <G<4 ' C.' .</B.-4' >-<4HC' = ' BC.' CE-HC' C</' " ' B.5G ./' <40' S" " ' >. .K.-/'J BC.' ; ./B.-4' >-<4HC' C</' S ' B.5G ./'' <40' 2" " ' >. .K.-/ ' C<B' /' BC.' .N<HB' =-H.' = ' BC.' ; =-0' Q >. .K.-/R' 4' BC /' /B<B.5.4B' ' 0=' 4=B' L4= ; : <4@' 5=-.' BC<4' ' L4= ;' ; C<B' /' 5.<4B' ; C.4' ' C.<-' = ' 5 =4/' = '
C- /B <4/' 4' 4A <40 ' =-' 5@' G<-B' ' <5' < ; <@/' HC<-5.0' B=' 5..B' .K.4' <' . ;' G.=G .' =HH</ =4< @' = ' ; C=5' B' 5<@' 4' B-EBC' >.' /< 0' BC<B' BC.@' -.5=B. @' <GG-=N 5<B.' B=' =4.3/' 0.<' = ' ; C<B' <' C- /B <4' G-= .//./' <40' E40.-B<L./' B=' >. ' EB' ' L4= ;' 4=B' ; C.-.' <-.' B=' >.' =E40' BC.' 5 =4/' = ' Q' BC.' G==-' 4' /G - B"R' BC.' Q' 5..L"R' Q' BC.@' ; C HC' 0=' CE4A.-' <40' BC -/B' < B.-' - ACB.=E/4.//"R' BC.' Q' 5.-H E "R' BC.' Q' GE-.' 4' C.<-B"R' BC.' Q' G.<H.5<L.-/"R' <40' BC.' =BC.-/' EG=4' ; C=5' BC.' <EBC=-' = '
C- /B <4 B@' G-=4=E4H.0' C /' >.4.0 HB =4/'' <40' B=' ; C=5' C.' G-=5 /.0' Q BC.' L 4A0=5' = ' C.<@.4 R' = ; .K.-'' BC.-.' <-.' G.-C<G/' 5<4@' 5=-.' L. @' B=' -.H. K.' BC./.' -. ; <-0/' BC<4' /=5.' <5=4A' E/' <-.' ; 4A' B=' >. .K.'' <40' BC<B' /' <' A-.<B' /<B / <HB =4
4' BC.' H=E-/.' = ' BC.' .K.4 4A' ' K.4BE-.0' B=' </L' BC.' HC . ' G- ./B' B=' <K=E-' 5.' ; BC' <4' <EB=A-<GC' ; - B 4A' -=5' C /' C<40 : <' BC 4A' K.-@' 0 HE B' 40..0' B=' =>B< 4'' </' ' < B.-I ; <-0/' .<-4B ' .' ; </' A==0' .4=EAC' B=' H=5G @'' <40' ; -=B.' =4' =-4<5.4B<' G<G.-' <' /.4B 5.4B' 4' <K=E-' = ' -. A =E/' H=5G-.C.4/ K.4.//
B' BC /' ><4ME.B'' </' <B' =-5.-' =4./'' BC.' C=4=E-' ; </' 0=4.' E/' = ' G <H 4A' >. =-.' E/'' B= ; <-0/' BC.' .40' = ' BC.' 0 44.-'' <' <-A.' <40' 4. @' H= =E-.0' 5=0.' G HBE-.'' ; -=EAC' =EB' = ' G.- /C<> .' 5<B.- < / : BC.' <-A.' BE-4 G'' =-' -<0 /C'') " ' 4' BC /' H</.' < /=' B' ; </' 0.H=-<B.0' <00 B =4< @' ; BC' = ; .-/' <40' =BC.-' =-4<5.4B/'' ; C HC' B' ; </' .NG.HB.0' ; =E 0' >.' H<-- .0' < ; <@' >@' =E-/. K./' <40' =BC.-' AE./B/ ' B' BC.' H=4H E/ =4' /=5.

B 5 .' ; </' /G .4B' 4' .N<5 4 4A' 0-< ; 4A/'" <HM4 .-& ; <-.'" <40' =BC .-' ; =-L/' = ' <-B' = ' <' HC= H.' L 40 ' .' < B .- ; <-0/' B==L' =E-' .<K .'" <40' 0-=K .' < ; <@' BC-=EAC' BC .' B=-HC ./' <40' BC .' <4B .-4/' <40' BC .' H-= ; 0' ; < B 4A' =EB/ 0 .'" <40' >@' BC .' B 5 .' ; .' -.<HC .0' =E-' =0A 4A/' ; .' . B : <40' ' C=G .' 5@' -.<0 .-/' ; ' <0 5 B : ' BC<B' 4B=' BC /' 0<@'" <B' .</B'" <' < -' <5 =E4B' = ' G .</E-.'" / ACBI /. . 4A'" B-<K . 4A'" <40' .NH B . 5 .4B' C<0' >. .4' H=5G-. // .0

C .' = = ; 4A' 0<@'" ME B .' .<- @'" =E-' C=/B9' = ' BC .' G-.K =E/' .K .4 4A' H< .0' <B' =E-' -./ 0 .4H .' B=' 4ME -.' < B .-' =E-' ; . I >. 4A'" <40' B=' = .-' </' <' G-./ .4B : =-' BC .' /5< 4 .//' = ' ; C HC' C .' 5<0 .' .NHE/ ./ : B ; =' /G .H 5 .4/' = ' BC .' # =B=' / L&5<4EI <HBE-.' 1 /=' BC<B' H=E-B ./@' <40' L 404 .//' ; .-.' H<-- .0' B=' BC . -' E ' .4ABC/' C@' C 5' 4' BC /' H</ .' 4' -.BE-4' C .' -.ME ./B .0' . ') '+ '<40' <' G .H .' = ' ; - B 4A' = ' 5@' = ; 4' H=5G=/ B =C'" <40' ' <HH=-0 4A @' ; -=B .' =EB' =-' C 5' < . ; ' K .-/ ./' X=' < G=. 5' ; C HC' ' C<0' <5E/ .0' 5@/ . ' >@' H=5G=/ 4A' 4' T ' ' =4' BC .' G-.K =E/' 0<@ : <' =4A' 0- K .' BC-=EAC' <' G .</<4B' H=E4B-@' 4' <' /5< ' H<-- <A .' 4' ; C HC' @=E' 4 .H .//<- @' / B' < =4 .' >. 4A' K .-@' <K=E-<> .'" </' < -.<0@' C 4B .0'" B=' B .-<-@' H=5G=/ B =4' = ' BC .' H=5G-. //.0' L 40'" ; C HC' G=.B-@' /C=E 0' = ' H=E-/ .' C .' C .' /E>J .HB' = ' BC .' K .-/ ./'" ' ' -.5 .5>.-' - ACB @'" ; </' <4' <BB .5 GB' B=' -.H=4H .' BC .' =54 G=B .4H .' = ' <' A=0' = ' =K .' ; BC' BC .' 5<4 = 0' 4JE- ./' 0=4 .' B=' 5<4' >@' BC .' =-H ./' = ' 4<BE-.'" <40' ; BC' BC .' .N /B .4H .' = ' /=' 5<4@' H-.<BE-./' = ' G-.@(=-'" </' .44@/=4' /<@/' 4' W <EO' 3 :

G -(% *' '' /*' + (0' -. /*' -' 0- 3' / ' . *-10* ' 1-/' 0*-:N
0*' -76&:7' '' (3' =7' (0*' '+ -:: + ' (0*' '.- +' '.*- F2' =7' (0*' '0 8*
/2' (0*' +0 :*' : ((:*' + 2' +0* *' ' ' (' '' -' + :2' &' .:%/2* ' -/2' . *7 H

=-' ; </' BC .' /E>J .HB' =BC .-' BC<4' /B- HB @' <GG-=G- <B .' B=' =4 .' 5 N 4A' 4B 5<B . @'" </' ' BC .4' ; </'" ; BC' BC .' 5 4 /B .-/' <40' = = ; .-/' = ' BC .' A .4B .' 00<-BC<' D E0OC<F'" ; C=/ .' /=E ' ; </' /=' 0 . .G @' 5=K .0' >@' BC .' /<5 .' G-=> . 5' 1 :

G 0*/' 3 - 8*2' 0*' (
+' : A- 2' &*2' /' -/ (' -/2' ' / -8*' /' 0 3 N
/2' 8 (*' /' = (0N -/2' 0 +' (0*' &:'O6O-+8' ==*2'
0*' & 'O6(;1 ' &' (0-(' +0 10' (' 0-2' '* A*2N

P 0*' '0 8*' 10-' /;' (0*' =%:=%:' +: 10' 2 2' 10-'*'
0*' 5*+*::*2' =%((* &: *'N' (::' *)* 7+0* *'
-10L' ':*+' -' ':-7* ' -/2' /' (% /' +-'' ':- /' L
&*' :) /;' %. /' 2*-(0 ' ' (0*' &- ' '0 +'
* :*2' /*')-'(' '-)-;*' ; 3' 1 /'. -17'
&' 3%(%-:' 3 %L2* ' & 3' (0*' + 3' (' 3-/
0 ' 0 3 '*:&' 8 ::'' 0 '' &*:: +'
0*' $ /1*' 22- (0-' ' ;0*2' W '' (0 ' F 0*' '- 2
W 0-(' 0-..7' *- (0' (0*7' = %;0(' 3*' & (0' (' '**S
+' '-:(' + (0' '+*-(' (0*' .*-'-/(F'' = *-2† +' 0- 2'
0*' >*/F'' '*) 1*T /' (0*' = -8*' 0 +' & * 1*'
0*' +- ' &' +*-8' -/2' '(/;† F (0F - ' +0-(' .: ('' '
' *&%;*' *F*/' /' +-(* ' ' -' 2*'
' '.-1*' -/2' : (' 3*' 3%'*' /' +0-(' 7*' '0 + F
' '-7 /;' (0*' ; 2' 2' 9%220-' '*-(*2' 0 3'
/2* ' -'5-3=%6(**' + (0' -/8:*'' 1 ''*2
'' 0 :7' '(-(%*'' ' (-/2' & '(' =*;-/'
' 3*2 (-(*' (0 '' 2**.' 2 '*-'*' &' : &*
0-(' ('' &- ' ' % 1*' -/2' +0*/1*' ('' *3*27
')-'(' -' . (7L& ::*2' 0 3 ' '%10' + 2*' :)*'
4 ' :) /;' (0 /;' ' '%10' .-'' /' (' 0*-:' .- /
0-(' =7' (0* ' '(*'' 0 '' . /1*:7' '. (' .-''*2'
' *1'(-'7 H M

B.-' BC.' 0.G<-BE-.' = ' C /' .5 4.4H.' ;.' 0-=K.' B=' <4'
.NC > B =4' ;C HC' /' 4' H=E-/.' = ' =-5<B =4' <B' # =B='' 4' <'
G< <H.' =-5.- @' =HHEG .0' >@' BC.' 5=BC.-' = ' BC.' L<0=' 4'
=E-' ;<@' ;.' 0-=K.' G</B' <40' BC-=EAC' BC.' A-=E40/' = ' /.K.-<'
G< <H./' BC<B' C<0' >..4' <><40=4.0' >@' 5.5>.-/' = ' C /' 5<J./B@3/'
<5 @' <40' >@' 4=> ./' / 4H.' BC.' B-<4/ .-' = ' BC.' H<G B<' B='
=L = ' 4' =4.' = ' BC./.' <' G.-5<4.4B' 5E/.E5' /' B=' >.' >E B''
<40' < /=' <' G.-5<4.4B' .NC > B =4' >E 0 4A : E/B-<B =4/' = '
BC.' A-.<B' HC<4A.' ;C HC' C</' G</!/.0' <40' /' G<// 4A' =K.-' BC /'
<40' E40.-' BC.' 4.;' /@/B.5'' = ' BC.' >./B' .<BE-./' = ' ;C HC'
BC.' L<0=' /' BC.' ;<-5./B' /EGG=-B.-'' ' <5' B= 0 ' C.-.'
/' 4' BC.' G<-B& =-5.0' .NC > B =4' <B' G-./.4B' HC . @' <-B H./'
= ' C /B=- H' 4B.-./B1 <5=4A' BC.5'' ><44.-/' B<L.4' -=5' BC.'
#=-.<4/' >@' BC.' <-5@' = ' < L='' 0-.//./' BC<B' C<0' >. =4A.0' B='
< L='' ;-B 4A/' =4' 4.4' >@' BC.' .<-4.0' G- ./B' #=>=&0< /C'
D;C=' 0 .0' B.4' H.4BE- ./' <40' <' C< ' <A=F''<40' <-B H ./' >-=EAC'B'
>@' C 5' -=5' C 4<'' K.-@' = 0' <G<4./.' >-=H<0.0' / L/' <40

I

.5>-= 0.-@'' = 0 ` BEBHC B<G./B-@'' < HEG -=5 ; C HC <4 <BB.40I <4B = < L=3 /=4 C.-= H< @ 0-<4L < G= /=4.0 0-<EACB 4B.40.0 =- C / 5</B.-"3 < <4 - HC @ =-4<5.4B.0 ; BC G.<- / G-./.4B.0 B= < L= >@ BC. L 4A = #=-.<'' B ; = <4/ . .K.4 CE40-.0 @.<-/ = 0 BC<B C<0 >. =4A.0 B= C=B=LE& B< /C '' <40 < /EG.-> H= .HB =4 = = 0 / ; =-0/

. 4.NB ; .4B B= 4/G.HB 4 BC. /<5. 4. AC>=E-C==0 BC. H<-- <A. 4 ; C HC C / 5<J./B@ BC. L<0= E/.0 B= 5=K. <>=EB =4 /B<B. =HH</ =4/ B ; </ < K.-@ <-A. <40 C.<K@ H<-- <A.'' . .HBE< @ /CEB 4 < -=E40 >@ H =/. /H-..4& ; =-L ; C.4 4 E/.'' <40 0-< ; 4 >@ <4 =N <40 >@ 5.4 B=A.BC.- #=-BE4<B. @ =- BC. L<0='' C. ; </ 4=B = B.4 -.ME -.0 B= <K< C 5/. = BC / 5=0. = B-<K. 4A'' </ C. ; </ /= /. 0=5 < = ; .0 B= .<K. C / G< <H. A-=E40/ C.-. ; </ < / 5 <- H<-- <A. C<-0 >@ E- 4.NB K / B ; </ B= < K.-@ =4A >E 0 4A H=4B< 4 4A<4 5 5.4/. H= .HB =4 = = 0 C 4./. <40 <G<4./. 0-< ; 4A/'' <40 >==L/ >-=EACB B=A.BC.- -=5 BC. B.5G ./ = <G<4 =- G.-5<4.4B .NC > B =4'' 4H E0 4A /=5. G=-B-< B/ = <-A. / ?. >-=EACB =K.- 4.<- @ . .K.4 H.4BE- ./ <A= -=5 C 4< 5=4A BC. >==L/ ; .-. C /B=- ./ <40 -.H=-0/ = BC. A-.<B./B B.-<-@ K< E.'' <40 BC. ; C= . G <H. <GG.<-.0 B= 5. B= C. <4 5 5.4/. 5 4. = C /B=- H <40 <-B /B H ; .< BC'' 4 ; C HC'' 0=E>B .//'' ; C.4 B / 5<0. GE> H'' .<-4.0 5.4 ; 0. K. <40 B= ; BC < BC<B 40E/B-@ ; C HC BC.@ <-. L4= ; 4 B= >- 4A B= /EHC ; =-L

-=5 BC./. B-.</E-./ ; . G-=H..0.0 B= BC. =H< A=K.-4I 5.4B H= .A.'' ; C.-. BC. A=K.-4=- 5.B E/ <40 <HH=5G<4 .0 E/ BC-=EAC BC. H <//&-==5/ . /G.4B /=5. B 5. 4 <BB.40I 4A B= BC. 0 .-.4B .//=4/ 4 G-=A-.//'' <40 ; .-.'' ; BC < / 4A . .NH.GB =4'' 5EHC A-<B .0 ; BC BC. B=4. <40 5.BC=0 ; BC ; C HC BC. .//=4/ ; .-. A K.4'' <40 ; BC BC. =>K =E/ @ A==0 -. <B =4/ >.B ; ..4 BC. B.<HC.- <40 GEG C / -. <B =4 C</ < ; <@/ .N /B.0'' > . .K.'' 4 <G<4'' <40 / =4. = BC. BC 4A/ BC<B =4. ; =E 0 -.A-.B B= /.. HC<4A.0 Q C. G-=I .//=-/ <40 B.<HC.-/ ; .-. C. 0 4 BC. A-.<B./B -.K.-.4H.'' <40

M 0 '' %;0 :2 1%.' +-'' .% C %%2 '*/((+ ' '*)-/('' &0 '' +/ (' 10-'*2 & ' &:) ' (0 %'-/2 2 ::- '' 07 .* %-/*/(:7 ;%- 2 (-. /1*' +0 . ' /(*2 (' (' -(1% .:

Origin of the KAKE-MONO, or Hanging Picture.

From HOKUSAI. Reproduced for this Work by a Japanese Engraver.

To face page 318, Vol. II.

' $' 6 0 &. " ' D 1 ' . 0 2

B' ;</' 0..5.0' BC.' A-<K./B' = .4H.' =-' BC.' *>C= <-/' B=' /C= ;' BC. -' 5G<B .4H.' =-' BC. -' <HL' = ' 4B.-./B' >@' @< ; 4 4A"' =E4A 4A"' =-' 5=K 4A' BC. -' G=/ B =4/ ' $.-C<G/' B=' BC /' .<- @' /.K.-.' B-< 4 4A"' H<-- .0' =4' BC-=EAC' 5<4@' A.4.-<B =4/"' <-.' 0E.' BC<B' ;=40.- E ' 5G.-BE-><> B@' = ' B.5G.-' <40' BC<B' H=E-B./@' = ' 5<44.-' ; C HC' HC<-<HB.- /.' BC.' C AC.-' H </// /' = ' <G<4 R'9 4.' = ' BC.' /BE0.4B/' = ' BC.' H= .A."' 4' BC.' /.H=40' H <//"' 0.H < 5.0' -=5' 5.5=-@' <' G=-B =4' = ') -<BB<43/' Q' E =A@' =4' <5' $ BB"R' ; BC' 5<-L.0' <> B@"' <40' ; BC' >EB' .;' 0.G<-BE-./' -=5' BC.' G-=4E4H <B =4' <40' <HH.4JJ' ; BC' ; C HC' <' ; . &.0EH<B.0' @=EBC' 4' 4A <40' ;=E 0' C<K.' 0. K.-.0' B"' ; C .' C /' .5GC</ /' ;</' BC-=EAC=EB' /B- L 4A @' A==0 ' E-' 4.NB' K / B' ;</' B=' BC.' 5EB.' <40' > 40' </@ E5' =-' HC 0-.4"' BC-=EAC' BC.' H </// /' = ' ; C HC' ; .' ; .4B"' 4=B' ' B-E/B' ; BC=EB

V W %(: /*' '(7' &' ,-./ /*' ' 92%1-(%F. *.- *2' & '$: :-2*:.0 -' >0 = (/' =7' (0*' ,-./*'*' *.- (C 3*/(' &' 2%*-(/ (' ' *B%*'(*2' (0*' 7 %/;' ;*/(:*C 3-/' (' + (*' %(' -/2' '*/2' 3*' (0*' B% (-(/N -/2' ' *1*)*2' & 3'0 3 ' -'&*+'0 % "'-&(* + - 2'' -' +*::6+ ((*/' / (' /1: ' /;' -' 1:*-/' -/2' 1 *1(' 1 .7' &' (0*' *>(-1(' "' / (*' -/' G' '(0*' /' ' **2' $' * *C + (0' .:*-'*' *1*)*' -' 1 .7' &' (0*' *>(-1(' & 3' -((-/F" %: gN7' /' :: -3'$ ((' - .' &#0-(0-3'+0 10' 7 %' +* *' ' 8 /2' -" (' / (1*' -/2' *B%*'(' -&(* ' 37' . ' -((*3.(' -(' 2*1:- 3 /;' (0' '%3 ' ' 0-)*' (0*' 0 / % '(' %='1 =*' 37'*:&' + (0'0 ;0' *' .*1('7 % "' '/1* *:7' ' '0 8-' < (' #0 /' -88 ' I 'I 'F ' $ ' 7' -;*'H' ?& ' +0 10' ' 0-2' -'8*2@' G' "' '>(**/'7*- ' ' H' 0 '& '(' .-(' &' (0*' .*1*' *1 (*2' +-" -"' & :C : +'N' ' ;)*' (' & ' (0*' .% . '*' &' '0 + /;' (0-(' /' & 1=:7' 2*1:- 3 /;' '%10'-'' (- /' &'*: B%*/1*' (0*' '(%2*/(' *>0 = (*2' -')* 7' 1: '*' -1B%- %(-/ ' + (0'= (0'(0 '' : 2'-/2' (0*' 0*(1-:' %'*'' &' % ':-/;%-;*' G' ''*1 *(- 7' '(2' -: /*' 2*3' (:*; /1 %.7 0-2' / (' *-10*2'0 3 ' ; /-:' -/2' %/-11 3 3 2-(/;' (0*' &*-(% *'" &'0 "' 10- -1(* ' 0-2' (0*' 0-/:0 2' &'-/(C B% (7N' 0 '' -%;%'(' 3 /2')* -+*2' 3-5*'(7N' -/2' /*' &' 0 "' ')* * ;/"' (0 %;0(' 7-:(7' ' ' 3 .- *2' /' 0 "' . *'*/1*'(0-(' 0*' 1 /'. *2' (' *3)*' 0 3' /' 2* ' (' =*' *: *)*2' & 3'0 "' '%.* (7' ' '(-(*' 10 1-/* 7'/ ' /- +' '7'(*3 "' &') 1 %"' . :(1' '/ ' 2:*' 1 /(*'(' & ' 3 /'(* -:') 1(*' ' '-/8'0 3' (' (0 ')%:;- ' :*) *:' &' (0*' ; *-(N =%(')* =*- /;' .* '%-')*' -/2' 3. -1(1-=:*' 0 "' =5*1(' +-" /;:-/2' (0 %(' 2) 2 /;' 0*' 2*C '(7*2' .- (7N + (0 %(' 1 %.(/;' 0' 3-2*' -')*/-:' -;' %/-/ 3 %' ' 4 -/1 ' '-/8' =*/*-(0' 0 3' N + (0' /*' 0-/2' 0*' '3 (*' (0*' 0 %'*' &' 9 % = /' -/2' + *:2*2' /' (0*' (0*' (0*' 2*3 C 1 -17' &' /;:-/2' 0 ' ' ;0(' &' 0 "' 3 /2' + -" /& / (*' -/2' 0 "' '10*3*' +* *' (' -& 11(' / (' /;:-/2' / (' (0*' . *'*/(' -;*' /:7' =%(' % .*' -/2' . '(* (7' /2* &%:' +* *' (0*' 3*-/" =7' +0 10' (: *'*' '10*3*' +* *' -11 3C .: '0*2' -:+-7'" *-' /-=:*' -:+-7'" -2*B%-(*' (0*' '%;;*'(/" &' -/' %/C 2* '(-/2 /;' -/ 3-(*2' =7' - 2 %' -/2' 1%: ; (1%*2' =7' & *' ;0(H

H=5G</// =4 =- BC. 5<4@ BB . /E .-.-/ ; C=/. . =-B/ B=
-.<HC >@ G< 4 E <>=E-/ BC=/. . .5 .4B/ = L4= ; .0A. <40 =
G .</E-. ; C HC 5=/B = E/ <HME -.0 /= .</ @ ; .-. >EB B==
G B <> . = <- </ H=E 0 JE0A. BC. /@/B. 5 / = 4/B-EHB =4
GE-/E.0 ; .-. L. BC=/. .5G =@.0 4 E-=G. 5<4@ = BC.
5<B.- < / 0 .- 4A A-.<B @ = H=E-/. -=5 =E-/ = ; 4A B= BC.
A-.<B 0 .-.4H. 4 BC. HC<-<HB.- = BC. .BB.-/ <40 =BC.-
/@5>= / .5G =@.0 C / K / B H=4H E0.0 =E- 5=-4 4A3/
-=E40

4 BC. < B.-4==4 ; . K / B.0 /=5 . = BC. /5< G=-H. < 4
; =-L/ = # =B= =4 BC. C <B BC. /=EBC&.</B = BC. B= ; 4
C. <-B H ./ G-=0EH.0 <-. 5EHC <05 -.0 >EB </ 4= /G.H <
=-0.-/ ; .-. <B BC. B 5 . E40.- .N.HEB =4 BC.-. ; </ BB . B=
>. /..4 = <4 .NH.GB =4< L 40 C.4H. ; . G-=H..0.0 =4
==B B= BC. B. 5G . = # @=5 0?E D .<-& ; <B.- .5G .F -=5
BC. -=4B = ; C HC / < =-0.0 < 4. K . ; = BC. H=E4B-@
/=EBC <40 ; ./B = # =B= /C= ; 4A BC. A-.<B 5 B<-@ 5G=-BI
<4H. = BC. -=<0 /B-.BHC 4A < ; <@ B= /<L< <40 <HH=E4B 4A
=- BC. G-= =4A.0 <40 > ==0@ /B-EAA ./ BC<B C<K. BC.-.
B<L.4 G <H. >.B ; ..4 <-5 ./ H=4B.40 4A =- BC. 5</B.-@ =
; C<B BC.4 ; </ BC. L<0=3/ H<G B< B ; </ <B BC /B.5G .
<40 ; BC BC /K . ; >. =-. C 5 BC<B BC. <5=E/ < L=
0.@=/C ; C=5 =4. C</ /= = B.4 B= 5 .4B =4 ; </ =4H.
/ BB 4A ; BC C />-< 4 B..5 4A ; BC G <4/ =- BC. H=4ME./B
= #=-.< <40 C 4< <40 C /C.<-B /<0 >.H<E/. = BC. =//= =
< HC 0 >=-4. B= C 5 >@ C / <K=E- B. ; . EB -) -- /
/C< B. BC. -=5<4B H /B=-@ =- E/1 Q 4. 0<@ C. ; .4B
=EB B= < B.5G . # @=5 0?E 4 # =B= B= >.AE . BC. /<0
C=E-/ =/B 4 BC=EACB 4 ==L 4A =K.- BC. ; ./B.-4 /L@
>.@=40 BC. 5=E4B< 4/ C./E00.4 @ .NH < 5.0 B= C / <BB.40I
<4B W A-.<B 5<4 =EACB B= .5G =@ C / <-5@ >.@=40 B.4
BC=E/<40 5 ./ <40 4=B A K. ; <@ B= /=--= ; 3 .BE-4 4A B=
C / C=E/. C. </ /.5> .0 C / A.4.-< / <40 -.0 BC. - .4BCEI
/ </5 >@ -.H=E4B 4A BC. - .NG = B/ 5EBE< @ <HC .K.0 .
BC.4 G-=5 /.0 B= 5<-HC B= $.L 4A <40 0 K 0. BC. /= = =
C 4< 4 . / <5=4A BC.5 C.@ E4<4 5=E/ @ <A-..0 <40
0.G<-B.0 B= BC. K<- =E/ G-=K 4H./ B= G-.G<-. B-==G/ <40
5<B.- < / 0.@=/C C 5/. ; .4B B= # E/C E 4 C /

$ ' 6 0' &. ' D - . 0 &&/

;<@ /=5. =4. /EAA./B.0 BC<B /HC= <-/ K.-/.0 4 C 4./ /C=E 0 <HH=5G<4@ BC. .NG.0 B =4 0.@=/C <EAC.0 <40Z /< 0 W C /W.NG.0 B =4 ; 5<L. BC. C 4./ E/. =E- B.-<I BE-. 3 B.- ; =-/C GG 4A <B < /C- 4. C. BC-. ; EG < C<40 E = =4. CE40-.0 4 -=4B = BC. /C- 4. <40 /< 0 W <5 B= H=4ME.- C 4< .B BC. C.<0/ /C= ; B 3 C. <G<4./ H=GG.- <40 -=4 : $, =- C<K. C 4./ HC<-<HB.-/ -.G-.I /.4B 4A BC. HC-=4= =A H< G.- =0 = H= 4<A. =4 =4. / 0. <40 ;<K./ -.G-./.4B 4A BC. - H -HE <B =4 </ 5=4.@ =4 BC. -.K.-/. C. .BB.-.0 / 0. / W C.<0"3 BC. -.K.-/. / W B< 3 BC. H= 4/ ; C HC BC. < L= E4A EG H<5. 0= ; 4 C.<0/ C. /= 0 .-/ ; .-. 0. ACB.0 ; BC BC. =5.4 <G/ = #=-.< ; .-. 0 /B- >EB.0 <5=4A BC. H=5 5<40.-/ = BC. . ACB 0 K / =4/ <40 BC. G <4 = BC. .NG.0 B =4 <40 BC. - H=I =G.-<B =4 .NG < 4.0 R 0.@=/C 3/ A.4.-< / : =- C. A<K. EG BC. 0.< = A= 4A C 5/. : ; .-. K.-@ /EHH.// E <B -/B 4 #=-.< L 4A B.4 BC=E/<40 5.4 4 =4. ><BB . <40 G HL 4A BC. - B ; .4B@ BC=E/<40 .<-/ B= G-./.-K. BC. 5 </ B-=GC ./ (>EB BC.@ C<0 .K.4BE< @ B= < ><HL <40 B= -.BE-4 C=5. D</ G-.K =E/ @ 4<--<B.0F /= BC<B 4=BC 4A H<5. 4 BC. .40 = 0.@=/C 3/ =EB-<A. EG=4 BC. #=-.<4/ <40 C. 0 .0 /==4 < B.- ; <-0/ H<4 C<-0 @ E40.-/B<40 BC. /B<B. = 5 40 = < 5<4 EG=4 ; C=5 BC. >.<EB E <40 G.<H. E K . ; -=5 BC. -=4B = BC. B.5G . = # @=5 0?E H<4 C<K. C<0 BC. . .HB ; C HC B C<0 EG=4 C 5 ! =- 5@ G<-B . B </ BB . 0 /G=/.0 </ .K.- . B 4 5@ . B= 5E-0.- G.=G . .K.4 40 K 0E< @ 5EHC .// >@ B.4/ = BC=E/<40/ ; C.4 /B<40 4A =4 BC. /<5. /G=B <40 <5 K.-@ /=--@ 0.@=/C 0 0 4=B /B=G <B C=5. <40 <5E/. C / A.4.-< / ; BC BC. 4K / > . G HBE-. 4 C / /E5 5.-&C=E/. ; C HC C<K. G-.K =E/ @ 5.4I B =4.0 4/B.<0 = A= 4A EG BC.-. <40 -.BB 4A C 5/. 4B= <0<@&0-.<5 = <5> B =4 <40 H=4ME./B

B / 4=B =4 @ 4 -=4B BC<B BC. B.5G . = # @=5 0?E G-./.4B/ < 4. K . ; =- <B BC. ><HL = B / A-<40 ; ==0.0 <5GC BC.<B-. ; BC < BC-..&/B-.<5 ; <B.- < 0-=GG 4A K. &9 L. BC-=EAC B B C</ B ; = G<A=0</ =4. = BC.5 /5< <40 =4. <-A. C.-. / < /= < B.4& .<K.0 = =- /ME<-. /B=4. G <- HEB 4B= C=- ?=4B< .<K./ <40 A==0 G.=G .

0./ - 4A' B=' >.H=5.' >.BB.-'" =-' B=' A.B' /=5 .BC 4A' ; C HC' BC.@' ; <4B'" BC-= ; ' /B=4./' <40' .C0.<K=E-' B=' 5<L.' BC. 5' =0A.' EG=4' BC.' ='" BC.@' ; C=/.' /B=4./' =0A.' A.BB 4A' ; C<B' BC.@' ; <4B'" =-' G.-/E<0 4A' BC. 5/. K./' BC<B' BC.@' ; ' A.B' B'" ; C HC' <5=E4B/' B=' 4.<- @' BC.' /<5.' BC 4A' C.' B. 5G .' /' -.<HC.0' >@' <' =4A' ACB' = ' /B.G/'" <40' BC.' A<B.' /' AE<-0.0' >@' A<B.L..G.-/'" </' /' /=' -.ME.4B @' BC.' H</.' ; BC' E00C /B' B. 5G ./ ' 0./H.4B' /=EBC& ; ./B ; <-0'" BC-=EAC' <' ><5>==&G <4B<B =4'" <40' G</B' BC.' C=E/./' = ' /=5.' = ' BC.' K.-@' G==-' G.=G .' D/5< ' B<44.-/'" ' BC 4L' BC.@' ; .-.'" <40' B<44.-/' C<K.' >..4' C. 0' 4' /=' BB .' ./B..5' 4' <G<4' BC<B'" 4' 5.</E- 4A' -=<0&0 /B<4H./' BC.' .4ABC' = ' <' B= ; 4' =HHEG .0' >@' BC. 5' C</' >..4' =5 BB.0' < B=A.BC.-' </' 4=B' .N /B 4A9F' >-=EACB' E/' B=' BC.' 4.' C 4/CE' B. 5G .' = ' /C & B<4 '" ; C HC' /' E40.-' BC.' H=4B-= ' = ' BC.' <-HC> /C=G' ; BC' ; C=5' ; .' C<0' 0 4.0' BC.' G-.K =E/' .K.4 4A'" <40' ; C.-.' BC.' - .40 @' G- ./B' L<5<B?' ; </' A==0' .4=EAC' B=' -.H. K.' E/' B<4 '" ' 5<@' /<@' 4' G<// 4A'" /' BC.' <5 @' 4<5.' = ' BC.' <-HC> /C=G'" <40' BC /' B. 5G .' H=4B< 4/' 5<4@' '" 5.5=- < /' = ' C /' <4H./B=-/ ' B' /' <GG-=<HC.0' >@' <' >- 0A.' = ' <' G.HE <-' H=4/B-EHB =4'" C<K 4A' B ; =' <-HC./'" .<HC' = ' ; C HC' /' <' H=5G .B.' H -H .'" /=' BC<B' B' C</' >.H=5.' L4= ; 4' </' BC.' Q' /G.HB<H .' >- 0A. R' /C & B<4 ' /' < = ; .0' BC.' G- K .A.' = ' .5G =@ 4A' BC.' H-./B' = ' BC.' L<0='" ; C HC' <HH=-0 4A @' <GG.<-/' -.ME.4B @' 4' BC.' H=4/B-EHB =4' <40' 0.H=-<B =4' = ' BC.' B. 5G .' ./0./' BC.' >.<EB@' = ' BC.' B. 5G .' B/. '" <40' B/' E-4 /C 4A/'" BC.-.' ; .-.' /.K.-<' =>J.HB/' = ' 4B.-./B(' <5=4A' BC.5'" /=5.' H<-K 4A/' = ' AE-./' ; C HC' C<0' =-4<5.4B.0' BC.' K.//. /' = ' BC.' < L=3/' #=-.<4' .NG.0 B =4(/=5.' K.-@' 4.' 0-< ; 4A/' = ' <G<4./.' /.<&0-<A=4/'" <40' /H-..4/' G< 4B.0' >@' L =

4' BC.' .K.4 4A' = ' BC /' 0<@' BC.' A=K.-4=-' ; </' /=' A==0' </' B=' <--<4A.' =-' =E-' < B.-&0 44.-' .4B.-B< 45.4B' <' /.- ./' = ' 4<B =4< ' 0<4H./'" G.- =-5.0' >@' <' /. .HB' >EB' <-A.' 4E5>.-' D<B' B 5./F' = ' BC.' G-.BB@' 0<4H.-/' = ' # =B= ' . =-.' G-=I H..0 4A' B=' BC.' G <H.' = ' .4B.-B< 45.4B' C.' G-./.4B.0' 5.' ; BC

<4' < >E5' = ' >.<EB E ' GC=B=A-<GC/' = ' BC.' =4H.' /<H-.0' H B@'
<40' B/' HC<-5 4A' .4K -=4/ : <' /=EK.4 -' ; C HC' ' /C< ' < ; <@/'
C AC @' K< E.' ' H<44=B' 0./H- >."' <B' .4ABC"' BC.' 0<4H./"'
< BC=EAC' BC.@' ; .-.' < ' 5=-.' =-' .//' 0-<5<B H(>EB' BC.@'
/.-K.0' B=' E/B-<B.' <40' 5<L.' H .<-' 5<4@' BC 4A/' BC<B' ; =E 0'
>.' E4 4B. A > .' 4' <G<4"' <40' ./G.H < @' 4' <G<4./.' <-B"'
; BC=EB' BC. -' < 0"' 5=-.' G<-B HE <- @' </' -.A<-0/' H=/BE5./'
<40' <BB BE0./"' ; C HC"' ; C .' /E-K K 4A' 4' BC.' K<- =E/' 4.' <-B/'
=' BC.' H=E4B-@"' <-.' 4= ;' B=' >.' <HBE< @' /..4' =4 @' 4' BC./.'
0<4H./' C.' G- 4H G<' H=5G 5.4B' G< 0' BC /' .K.4 4A' ; </'
B= ; <-0/' BC.' .40' =' BC.' .4B.-B< 45.4B"' ; C.4' BC.' G-= .// =4<'
0<4H 4A&A - /' A<K.' ; <@' B=' <' <-A.' 4E5>.-' =' @=E4A' <0 ./'
=' BC.' G <H."' ; C=/.' G<-.4B/' C<0' 5=/B' L 40 @' < =; .0' BC.5'
B=' <BB.40' =-' BC.' GE-G=/."' <40' ; C=' 0<4H.0' ; BC' /EHC' 4I
0 K 0E<' <40' H=5> 4.0' /L ' </' B=' A-.<B @' /E-G- /.' E/' C.'
=-HC./B-<' H=4/ /B.0' =-' BC.' B 5.' =' <' 0=?.4' =' BC./.' @=E4A'
>.<EB ./"' =-' /EHC' BC.@' ; .-."' <40' E @' B ; .4B@' 5=-.' =' BC.5'
<0K<4H.0"' 4=B' -=5' >.C 40' BC.' /B<A.' </' ; BC' E/"' >EB' -=5'
BC.' -=4B"' < =4A' BC.' / 0./' =' BC.' C< ' C.@' ; .-.' - HC @'
0-.//.0' 4' -=>./' =' BC.' E/E<' /C<G.' <40' / ?."' >EB' =' > <HL"'
-.0"' <40' A= 0 : ; BC' 5<-L.0' 0 .-.4H./"' BC.-. =-."' -=5' BC.'
0-.//./' =' BC.' G-= .// =4<' A - / : <40' < BC=EAC' B' 4' /=5.'
-./G.HB/' -./.5> .0' <' >< .B' 4' E-=G."' BC.' 0.H=-E5' =' BC.'
0<4H./' <GG.<-.0' B=' >.' ME B.' G.- .HB' B' BC.' H=4H E/ =4"'
BC.@' H<5.' <40' -<4A.0' BC.5/. K./"' >@' /G.H < ' 0./ -."' 4' -=4B'
=' E/"' B=' A K.' <' 4.<-.-' K .;' =' BC. -' G-.BB@' <H./' <40'
0-.//."' <40' ' /C=E 0' >.' A <0' ' ' C<0' BC.' G=; .-' =' G-.I
K.4B 4A' <4@' G<-B' =' BC. -' =K. 4.//' -=5' 0.H<@ 4A' =-' 5<4@'
<' @.<-' B=' H=5.

C.' -.5< 40.-' =' =E-' /G<-.' B 5.' 4' # =B=' ; </' HC . @'
9/G.4B' 4' K / B 4A' / L&' <40' H] 55.4&5<4E <HB=- ./"' 0@. 4A&'
C=E/./"' /C=G/' =-' BC.' /< .' =' G=-H. < 4"' >-=4?./"' .BH "' <40' 4'
/B-= 4A' <>=EB' BC.' /B-..B/' <40' ; B4.// 4A' BC.' ; <@/' <40'
C<> B/' =' BC.' G.=G ."' /=' <-' </' BC.' ; .<BC.-"' ; C HC' ; </'
-.ME.4B @' ; .B' <40' 0.G-.// 4A"' ; =E 0' <05 B' C.' G.- .HB =49'
B=' ; C HC' BC.' =-4<5.4B<B =4' =' / L' <40' HEB&G .' <>- H/' /'
H<-- .0' 4' # =B="' >@' .5>-= 0.- 4A"' .5>=// 4A"' G< 4B 4A"' <40'
0@. 4A' G-=H.//./"' /' K.-@' -.5<-L<> ."' </' /' BC.' =;' G- H.' =

BC.' 5<4@' >.<EB E' <-B H ./' /=' G-=0EH./' =5.' =' BC.' G-=H.//./' ; .-.' ME B.9 4=K.'' CEB' BC.@' ; .-.' /C= ; 4' B=' E/' -.<0 @'' <40' <GG<-.4B @' ; BC=EB' -./.-K.' C.' /<5.' -.5<-L/' C= 0' ; BC' -./G.HB' B=' BC.' >.<EB E' <G<4./.' $ ' <40' H-<G./' B' /' <' B-@ 4A' BC 4A' .K.4' =-' <' 5<4(' <40' B' ; =E 0' >.' /C..-' B=-BE-.' =-' <' <0@'' ; C=' C</' -./= K.0' 4=B' B=' /G.40' 5EHC' 5=4.@' B=' K / B' BC./.' /C=G/' <40' ./B<> /C5.4B/' 4' # =B=' =' H=5.' <; <@' ; BC=EB' GEBB 4A' @=E-/.' 4B=' G=//.// =4' =' <' A==0' /EGG @' =' BC./.' 5<B.-< /'' ; C HC' <-.' < ; <@/' <HH.GB<> .' G-./.4B/' B=' <0 ./'' /' B=' 0.K. =G'' 4=' 0=E>B'' <' G-=4=E4H.0' =-5' =' /. &0.4 < (>EB' B' /' L. ; /.' < /=' B=' /E>J.HB' @=E-/. ' B=9-.G-=<HC' ; C.4.K.-' < B.- ; <-0/' @=E' <H.' @=E-' ; .' =-' @=E-' <0@' - .40/(<0 ./' <40' BC. -' 0-.//I 5<L.-/' <-.' /=' H .K.-' 4' BE-4 4A' BC./.' <>- H/' =' .K.-@' H= =E-' <40' L 40' B=' G-.BB@' <40' G HBE-./ME.' <HH=E4B'' <40' <-.' /=' A <0' B=' C<K.' BC.' =GG=-BE4 B@' =' 0= 4A' /=' ' # =B=' HC 4<&/C=G' /' < /=' <4' E4G .</<4B' G <H.' =-' =C4' E '' =-' <4@' -.G-./.4I B<B K.'=' C /(BC.' =-5/' BC.-.' A K.4' B=' B.<G=B/'' HEG/'' /<EH.-/'' <40' <' BC=E/<40' =BC.-' BC 4A/' <-.' /=' G-.BB@' <40' K<- =E/'' <40' BC.' H= =E- 4A' =' BC. 5' /' /=' . .A<4B @' .N.HEB.0

B' /' G-=G.-' B=' /<@'' C= ; .K.-'' BC<B' <' G<-B' =' =4.' =' BC./.' '' </B' 0<@/' 4' # =B=' ; <' 0.K=B.0' B=' <4' 4/G.HB =4' =' <4=BC.-' =' BC=/.' /HC== /' =-' 4/B-EHB 4A' # ' <40' 0<4H 4A&A - /' 4' 4..0 .&; =-L' <40' =BC.-' E/. E' 5<BB.-/' B=' ; C HC' ' C<K.' G-.K =E/ @' <0K.-B.0'' <40' C /' . .HB K.' /EGG=-B' =' ; C HC' 0=./' BC.' A=K.-4=-' =' # =B=' /=' 5EHC' C=4=E-' .' < /=' K / B.0' <' B-< 4 4A& HC==' 4' ; C HC' BC.' 4<B =4<' <-B/' =' 5E/ H'' / 4A 4A'' <40' 0<4H 4A' <-.' B<EACB' C.' >E/ 4.//' =' BC /' ./B<> /CI 5.4B' /..5.0' B=' >.' H=40EHB.0' ; BC' A-.<B' =-0.-' <40' /@/B.5'' <40' B' ;</' <4' 4B.-./B 4A' / ACB' B=' G</' BC-=EAC' BC.' BB .' H <//&-==5/' <40' =>/.-K.' BC.' G==-' . 0.- @' H-.<BE-./'' H=5I G<-<B K. @' /G.<L 4A'' ; C=/.' 0<@/' =' A-<H.' <40' </H 4<B =4' C<0' =-' .K.-' G<//.0' < ; <@' -=5' BC.5'' <40' ; C=' ; .-.' 4=; '' </' BC.@' =40 @' /EGG=/.0'' B.<HC 4A' @=E4A.-' =4./' C= ;' B=' 5</B.-' BC.' 5@/B.- ./' =' ; C<B' ;</' B=' BC.5/. K./' =-' .K.-5=-.' <' =/B' <-B' </' BC.' =4 @' 4/B-EHB =4' ; C HC' BC.@' H=E 0' G=// > @' A K.' 5E/B' C<K.' >..4' =' BC.' 5=/B' -E0 5.4B<-@' <40' =-5<' L 40(>EB' C<GG @' =-' BC.' @=E4A' =4./'' @=EBC'' <40' BC.

/<A<H B ./ <40 4/B 4HB/ <40 4/G -<B =4/ = @=EBC H=E 0 @. C. . B B= B.<HC BC. -./B C.-.K.- 5 .4 ; .-. .5G =@.0 4 B.<HC 4A BC. @=E4A 0<4H 4A&A - / BC.@ ; .-. 4K<- <> @ . BC.- = 0 =- > 40 <40 A.4.-< @ >=BC <40 0-.<0 E & ==L 4A 4B= B . ><-A< 4 /EHC <' H=4JE4HB =4 = >.<EB@ <40 C=--=- / <' 4.H.// B@ B / H.-B< 4 @ <' K.-@ /<0 =4.

= < /= K / B.0 <' /HC== ; C.-. BC. <-B = H.-. 5=4 < B.<I 5<L 4A / B<EACB B / /< 0 BC<B BC. G-<HB H. = BC / <-B ; C HC C<K. -.ME.4B @ C<0 =HH</ =4 B= 5 .4B =4 >. =-. ; </ =- A 4< @ ./B<> /C.0 =- BC. G-=5=B =4 = - .40 @ -. <B =4/ <B <' B 5. ; C.4 /=H 0B@ ; </ 5EHC B=-4 >@ <HB =4/ <40 >@ ; <- <40 BC. /G 44 4A =EB = BC. B 5. 5E/B H.-B< 4 @& C<K. >..4 G<-B = BC. /HC.5. Z 5. / /= G-.H =E/ 4= ; <0<@/ C= ; .K.- 4 <G<4 </ . /. ; C.-. BC<B BC. H.-.5=4@ / E/E< @ 5EHC H=5J-.//.0 <40 4 BC / 5=0.-4 =-5 B / G .</<4B .4=EAC B /' C= ; .K.- 0.H 4 4A BC. G.<H. E GE-/E B = 5<4E <HBE-./ H=55.-H. <40 <-B/ E-4 /C 4A <>E40<4B =GG=-BE4 B ./ =- >- 4A 4A G.=G . B=A.BC.- 4 < - .40 @ ; <@ Z

C.-. <-. /.K.-< G <H./ <40 BC 4A/ = 4B.-./B 4 <40 4.<- # =B= ; C HC ; . C<0 4=B B 5. B= K / B C.-. /' =- .NI <5G . BC. A-.<B ! < &>EB/E ; C HC C= ; .K.- >. 4A = ; ==0 9 <40 .// <4H .4B / = A-.<B @ 4 .- =- 4B.-./B B= BC<B = <-< 3 <5 /=--@ B= /<@ BC<B BC. ! < &>EB/E = # =B= / < /= < /=5. ; C<B 0.A-<0.0 G.-/=4<A. </ H=5G<-.0 ; BC C 5 = <-<' =- ; C . >=BC C<K. >..4 /E>J.HB.0 B= -=EA B-.<BI 5.4B -=5 BC. G= ; .-/ = 4<BE-. BC. # =B= =4. C</ C<0 B= E40.-A= BC. & &E/<A. = 5<4 L. ; /. B / /<0 B= -.<0 BC<B Q <4 .<-BCME<L. B==L G <H. =4 BC. BC 0<@ BC 5=4BC /.H=40 @.<- < L= D F <40 BC. C.<0 = BC. <5=E/ ! < &>EB/E <B <-< ; </ BC-= ; 4 0= ; 4 JR >EB C= ; 5EHC /<00.- B= -.<0 BC<B 4=B =4 @ 0 0 BC. A-.<B .<-BCME<L. = 7 BC-= ; 0= ; 4 # =B=3 ! < &>EB/E >EB BC<B BC. A-.<B < L= =4 /.. 4A B 4 -E 4/ >.H<5. E/C.0 ; BC <4A.- <40 /<@ 4A /H=-4 E @" % G <H.0 @=E C.-. <B <4 55.4/. .NG.4/. ; BC 4= =BC.- GE-G=/. BC<4 BC<B @=E 5 ACB ; <BHC =K.- <40 C. G B . G.=G . <40 @=E H<44=B .K.4 C. G @=E-/. "R 0 /HC B-A.0 <4 <--= ; <B BC. G==- >-=L.4 0= 4 B/ C=E- = 5G=B.4H. <40

/C<5 . ' .' C<0' H<E/ .' .4=EAC' B=' >.' <4A @ ; BC' 0.@=/C ' <' . ;' G<A./' <A=' ; BC' -. .-.4H.' B=' BC.' ; -=4A E' 0.B.-5 I 4<B =4' ; C HC' C.' H<5.' B=' ; C.4' 5 .0 B<B 4A' 4' -=4B' = ' BC.' B.5G .' = ' # @=5 0?E(' >EB' ; .' C<-0 @' BC=EACB&BC<B' <' . ;' @.<-/' < B.-' C.' ; =E 0' >.' /=' -</C' <40' C=B&C.<0.0' </' B=' -.' <4' <--= ;' <B' BC.' K.-@' A=0' ; C=5' C.' C 5/. ' /.B' EG'' <40' B=' 0=' /='' <GG<-.4B @'' =4 @' >.H<E/.' C.' C<0' 4=B' /.B' C 5' EG' G-=G.- @'' =-' ; BC' 0E.' -.A<-0' B=' BC.' <HB' BC<B' # =B='' <40' 40..0' < ' <G<4'' </' <G<4./.' ; . ' L4= ;'' -./B/' EG=4' BC.' ><HL' = ' <4' 5 5.4/.' H<B /C'' ; C HC' /B<-B/' .<-BCME<L./' .K.-@' B 5.' B' 5=K./`

E-' /B-= /' BC-=EAC' BC.' /B-..B/' = ' # =B=' ; .-.' C AC @' <5E/ 4A'' ./G.H < @' ; C.4' ; .' B==L' <' BE-4' < =4A' BC<B' /B-..B' 4' G<-B HE <-' ; C HC' ; </' G- 4H G< @' 0.K=B.0' B=' BC.' <5E/.5 .4B/' = ' BC.' G.=G .'' <40' B=' BC.' /< .' = ' B=><HH=' <40' GC=B=A-<GC/ ' .-.' ; .-.' BC.' >==BC/' = ' BC.' /B=-@&B. .-/(BC.' ; <N ; =-L' C.-=./' <40' C.-= 4./'' -./G.HB K. @' B.-- > .' <40' >.<EB E '' <40' ; =40.- E' < (' BC.' H=4JE-.-/'' BC.' BE5> .-/'' BC.' ==/.&-=G.' ; < L.-/(BC.' ; =-L 4A' 5=0. /' = ' BC.' E45 .4B =4<> .' C<0' G *H.'' ; BC' BC.' /< ; /'' <40' BC.' <EAE-/'' <40' BC.' =BC.-' 4/B-EI 5 .4B/' =-' 0 / 4B.A-<B 4A' BC.' 4<EACB@'' < ' <B' ; =-L' >@' C<40' 5<HC 4.-@' ! BC.' HE- =E/' <4 5< /'' <40' BC.' /B ' 5=-.' HE- =E/' G.=G .' BC<B' <BE-.' /=5.B 5./' 5<L./' 4' 5 /B<L.(<40' G.-C<G/' 5=-.' 5G=-B<4B' BC<4' < '' BC=/.' =4A&B< .0' <4H./B=-/' = ' =E-/' ; C=' <GG.<-' B=' C<K.' >..4' 5<0.' /=' ; BC=EB' <4@' 5 /B<L.'' <40' ; C=' 4A.-' /EG.- E=E/' =4' BC.' /B<A.' 4= ;' BC<B' BC. -' 0./H.40<4B/' C<K.' >.H=5.' </' H .K7-' </' 5@' -.<0.-/' <40' ' L4= ;' =E-/. K./' B=' >.' B' ; </' HE- =E/' < /=' B=' /..'' </' ; .' 0 0' C.-.'' G..G/C= ; /' = ' ; <- L.' /H.4./' <40' ><BB ./' 4' ; C HC' ; .-.' AE- 4A' /.K.-< ' = ' BC.' 5 4 /B.-/'' A.4.-< /'' <40' <05 -< /' ; C=/.' <HME< 4B<4H.' ; .' C<0' C<0' BC.' G- K .A.' = ' 5<L 4A' 4' =L ='' <40' <5=4A' BC.5' =E-' 0 /B 4AE /C.0' C=/B' 05 -<' #< ; <5E-<'' BC.4' 4' # =B=' B/. ' ; BC' 4/'' >EB' .5G =@ 4A' C /' B 5.' <B' BC.' 5=5.4B' 4' < >.BB.-' ; <@' BC<4' BC<B' = ' G..- 4A' 4B=' /=5.BC 4A' .K.4' CE5> .-' BC<4' BC.' G.44@' G..G/C= ;' = ' 5@' 4<B K.' 4A <40'' B' ; </' HE- =E/'' B=='' B=' /..' 4' BC.' GC=B=A-<GC&/C=G/' BC./.' /<5.' 5 4 /B.-/'' A.4.-< /'' <40' <05 -< /' < =-.5.4B =4.0'' >EB' C.-.' <GG.<- 4A'' =-' BC.' 5=/B' G<-B'' 4=B' 4' BC. -' G-./.4B

$' 6 0' &. ' ' D & ' . 0 22,

5=0.-4 /.0' <40' E-=G.<4' <BB -.'" >EB' 4' BC.' ME< 4B' <40' G HBE-./ME.' 0-.//./' <40' C.<00-.//./' = ' 0' <G<4 ' 4' =4.' =-' B ; =' =HH</ =4/' ' /< ;' 4' BC.' 4B.- =-' = ' <G<4' <' GC=B=A-<GC' = ' =4.' = ' 5@' = ; 4' /C G/' D</' ; .' G-= .// =4< ' 5 .4' =40 @'" >EB' 5=/B' 5G-=G.- @'" H< ' BC.' /C G/' ; .' C<K.' >E B' =-' 0./ A4.0' =-' =BC.-/F(<40'" < B.-' .-B< 4' GC=B=A-<GC H' .NG.- .4H./' = ' =E-/' 4' =L ='" <A</<L '" <40' <A=@<'" B' /' G=// > .' BC<B' /=5.' = 'BC.' B-<K. 4A' -.<0.-/' = ' BC /' ; =-L' 5<@' C.-.< B.-' >.' G- K .A.0' B=' GE-HC</.' BC.' G=-B-< B' = ' B/' <EBC=-' 4' BC.' <H-.0' <40' =-' <' . ;' H.4B/ ' ' H<EB =4' BC.5'" C= ; .K.-'" <A< 4/B' 0= 4A' /='" =4' BC.' A-=E40' BC<B' <G<4' /' <' H=E4B-@' 4' ; C HC' 4<BE-.' <40' <-B' H=5> 4.' B=' G-=0EH.' 5EHC' 5=-.' G .</ 4A' G-=0EHB =4/'" <40' BC. -' 5=4.@' H=E 0' BC.-. =-.' >.' >.BB.-' < 0' =EB

C.4' BC.-.' /' BC.' K <A.' = ' ' J '" ; C HC'" ' ' 5<@' JEOAM*' >@' <' GC=B=A-<GC'" /' <4' .NB-.5. @' G-.BB@' - K.-/ 0.' G <H. ' .' C<0' <--<4A.0' B=' K / B' B'" >EB' BC.' G-=><> .' H=40 B =4' = ' BC.' -=<0' < B.-' C.<K@' -< 4/' 0.B.--.0' E/ ' 40' BC.4' BC.-.' /' BC.' /<H-.0' 5=E4B< 4'" @. &?<4'" < B.-' ; C HC' /' 4<5.0' =4.' = ' BC.' 5G.- < ' H=-K.BB./' ; C HC' ' C<0'>E B' =-' C /' 5<J./B@' BC' BC /' 5=E4B< 4' <-.' H=44.HB.0' 5<4@' 5G=-B<4B' 4H I 0.4B/' 4' BC.' C /B=-@' = ' <G<4'" <40' < BC=EAC' ; .' 0 0' 4=B' </H.40' B'" B' ; </' /=' H=4/G HE=E/' <4' =>J.HB' =4' =E-' <GG-=<HC' B=' BC.' H B@' <40' 0E- 4A' =E-' /B<@' 4' B'" BC<B' ' BC 4L' B' ; . ' B=' H=40.4/.' 4B=' <' /5< ' H=5G<//'" 4' BC.' = = ; 4A' 4./'" <' . ;' =>/.-K<B =4/' EG=4' B' -=5' BC.' G.4' = ' <' A.4B .5<4' ; C=' ; .4B' =K.-' B' 4' , ,'" 4=B ; BC/B<40 4A' BC.' -.H=-0' 4' G-.K =E/' HC<GB.-/' = ' BC.' G- 4H G< ' <HB/' H=44.HB.0' ; BC' BC.' <5=E/' B.5G ./' = ' 4- <LE&J ' DC.-.' /G. B' .4- @<LEJ F9

/1 */(' -//-:'' *1 2' (0-(' (0*' & '(' (* 3 .:*' * *1(*2' /' (' + -'' & %/2*2' =7' 0 (8%6(- ': ' /' ' -' :*- /*2' . *'(' - 10 ' =7' 1 3 3 -/2' & ' <%+-3 3 % (0*' & '(' 8-2 ' &' < ('=% :(' -/ (0* '(* 3 .:*' 1-::*2 ' + (0' (' '% %/2 /;' '0 /*' ' */ 7-8%5 ' - 10 ' + -'' '*/(' (' #0 /-' (' :*- /' (0*' 2 1(/*'' &' (0*' 9%220 '(' '*1(' '%='*B%*/(:7' 1-::*2' /2- ' +0 10' 0*' /(2%1*2' /(' , - . -/' /' 0 '' *(% /' : *' = %;0(' =-18

g =40=4/. ' -=5' W =5.' H.4./' .<0'>. =-.' BC.' / <B H' =H .B@' = ' >.B ; . .4' BC.' 4. .4B' <40' B =' =0.-4' <G<4'" E4.' ,
<G B /' = ' 5 5 4"3 >@' ' ' ! N=4

Ý 2

P+ (0 0 3 -(0 %'-/2 '-1 *2 = 8' -/2 (0* & '((*-6.:-/('*)* '**/ / 0 '' 1 %/(7 -2 (/ &% (0* ' '-7'' (0-(0* (-/'. (*2 & 3 %/((- / #0 /-(0* *- (0 / Y+0 10 0* =% :((0* & '(, - . -/* '* 10% 10 & (0* */2- ' '*1(0* /*+ . / / '' . '.* *2 -/2 (0* (*3 .:* '' / 7* 6A-/ 1 3 . *0*/2*2 %/2* ' (0* /-3* */ 7-8%5 /1 *-'*2(' -':- ;* /%3=* -/2 =*1-3* *3- 8-=:* & + *-:(0 -/2 3 -;/ & 1*/1* / (0* 3 2'(& (0* . '.* (7 -/2 . =-=:7 =*1-%'* & (0 +)* (0* . *'('' =*;-/((-8* -/-1( )* .- (/'(0* &*%2'' (0-(2 '(-1(*2 (0* 1 %/(7 0* (*3 .:* '' =*1-3* & 3 (0* ' (%-(/' '%10 '(/;'1- (:* '' (0-(-(:*/;(0 (0*7 2*& *2 (0* 8-2 0 3 '*:& ('%=2%* (0*3 /'(0* + - =*(+**/ (0* *3 . * - 5 ? ! ! F -/2 (0* *=*: '0 8-;-'(0*7 0 +)* '(8 (0* 3 . * -: ' 2* -/2 ;-)* *&%;*('0 '' 3 -5*'(7 +0*/ < (+ -'' =*' *;*2 0* 2*'. ('3)* (0* /*;0= % /;' .) /1*'' -(:*/;(0 =*1-3* ' '%/C =*- -=:* (: -((- =%/-;-* ' :)*2 ((-8* '%3 3 - 7)*/;*-/1*'%. /' (: *3 -/2 (0 '' 0* 2 2 /* 2- 8 / ;0(=% / /;'(0* (*3 .:* '' (-'0* L -/2 8 :: /;' (-8 /;'1-.( )* (0* . *'(' /'(0* (3* & (0* 0 ;%/ :7*3 ('% ? JI!6 @ 0 +)* (0* & 3* ' '.:*/2 % & (0*'* 3 /-'C (* *'' & 7* 6A-/ + -'' *'(*2 -/2 (0* '. (%-:. + & (0* */2- '*1(*))*2 (+ (0'(-/2 /;'-/'-((*3 .(& (0* 0 ;%/' / JI ' (2 '. ''*''' (0* . *'('' & */ 7-8%5 & (: * . *6*3 /*/1* =7 (-/'C & */;'0 - & -) % '('(0* /*+'0 /*''-(7*/ ' *2 '(0*7 1 /(/%*2 (& : % '0 %/(: (0* *) :%(/ & J + 0*/ ' + (0 (0* '10- -1(* C '(1 &*-(% *'' & :2 , - . -/ '(0*7 &*:: /('(0* =-18; %/2

B.- 0./H- > 4A C / </H.4 B= BC. /E5 5 B = &BC. 5=E4I B< 4 =4 < >- <4B /E5 5 .- 5=-4 4A - ! N=4 /<@/ BC<B BC.@ =>B< 4.0 -=5 B < G<4=-<5 H K .;' = BC. /E> 5./ B 0./H- GB =4

` /'(0* / (0 (0* +0 :* *>(*/(& -8 9 + - W + (0 . 3 /(7 1 **8 -/2 =-7 F :-7 1-:3 :7 '(*(10*2 & " 3 :* '('-'2- 8 3 %/(- / =- * / '(0* & *; %/2 ('' + -(* '' + * *)* : 8*2 =7 0 ::'' & (0* 3 '(:%>% -/(2- 8 ; **/'-/2 ('' =:%* '0**(+ -'' = 8*/ -(/(*)-:'' =7 +0 (* '- :' ' (0* *-'(& (0*'* 0 ::'' -' '0 %:2* & (0* 3 %/(- / ='1% *2 -'' 3 -:. (/ & (0* :-8* +0 10 +0*/ (-; - /' - . . *- *2 + -'' 3 %10 /- + * -/2 3 - ; /*2 /'(0* &% (0* ' ' 2* =7 -'&:-(&* (:* '0 * =*0 /2 +0 10 (0* '-/2&2 + /'' (-)* '*2 =7 (0* 8- 2 ::*2 - + -7 ('(0* 0 ::'' /'(0* 0 A / . . *- /; ;0(=*: + '% '' -((0* ' %(0* /' *>(*3 (7 & (0* :-8* + * (0* (0 18:7 1:% '(* /; 0 % '* '' & ('% -: ((:* '(*-3 * + - '' */(1 %;'(0* 0- = % 0*/'('(0* ' %(0 & :: + *2 Y+ /8:*2 0 ::' '% /(: (0* . :- /' & < ('1-3 * /(') * + ' + (0 (0* 1 (7 :7 /;' -(&%:: :*/;(0 ' -/' =: /;' 3 - '' & = + /') - *2 + (0 +0 (* /' - ; **/' '*((/; ' 0* (+ '(=%(- * '' & (0* < - - ;- + -'1 %:2 = '& :: + *2 %/(: (0*7 3 *(-((0* 1 (7F / (0* /' *>(*3 (7 -/2 (0*/' %/ (*2 /(

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-' ! N=4' H=4H E0./'Î Q' C./.' 4=B./' 5<@' B @'H =/.' ; BC' BC /' G<4=-<5<' = 'BC.' -=5<4B H' -.A =4' 4' ; C HC' =-' /=' 5<4@' H.4BE- ./' <@'/.H E0.0' -=5'BC.' ; =- 0' BC /' .4.-<> . 4 B@'= ' <G<4'' 0./B 4.0'' .B' E/' C=G.'' B=' C.' .4H -H .0' 4' BC.' 5 40/' = ' 5.4' ; BC' <4' .K.4' >- ACB.-' C< =' BC<4' BC<B' ; C HC'' 4' BC.' 0<@/' = 'BC.' 4<B =43/' HC 0C==0'' BC.' G-./.4H.' = 'BC.' =4' = ' .<K.4' BC-.;' <-=E40' C.-' <@' BC.' G.<-' >.H=5.' /B ' ; =-BC .-' = ' B/'/.BB 4A'' =-' < -' </' <4@' 0-.<5' = '. 4 <40' <-.' BC./.'/E44@' C /' <40' /C<0= ; @' A <0./ R' BC' BC /' A.4.-=E/' =EB>E-/B' = ' G-.BB@' CEB' E4/B.<0@'. =ME.4H.'' '' B==''; ' H=4H E0.' 5@' 4=B./' =4' # =B=' 40' @.B'' ; C@' /C=E 0' ' 4=B' <00' BC<B' =4' =40<@' BC.' P-0' = ' <-HC' ' =E40' 5@/. ' /=' E4 ; . '' ; BC' HC /' <40' .K.- /C' /@5GB=5/' < B.-4<B 4A'' BC<B' ' -./= K.0' B=' -.5< 4' 40==-/'' <40' BC /' ' 0 0' BC.' 5=-.' -.<0 @' </' ; .' C<0' B=' H=5I 5.4H.' =4' BC.' = = ; 4A' 0<@' =E-' =4A' J=E-4.@' = ' B ; . K.' B=' B..4' 0<@/' 4' ' BC-=EAC' BC.' 4B.- =-' = ' BC.' H=E4B-@' >@' BC.' C AC' -=<0' = ' BC.' =L< 0='' =K.-' ; C HC' =-' /=' =4A' <' G.- =0' BC.' ! < 5 =/' = ' BC.' ; ./B' <40' /=EBC' C<0' B=' ; .40' BC. -' ; <@' .K.-@' BC-..' @.<-/' B=' .0=' D4= ;' =L =F'' BC.' H<G B< ' = 'BC.' @H==4/' E-' - .40 @' 4A /C&/G.<L 4A' G- ./B'' L<5<B/E'' = ' BC.' /C & =4A<4J' B.5G .'' H<5.' .<- @' B=' =E-' -./ 0.4H.'' B=' G-./.4B' 5.' ; BC' /=5.' G=.B H' ; - B 4A' ; C HC' C=' C<0' >..4' A==0' .4=EAC' B=' G-.G<-.' <B' 5@' -.ME./B'' <40' B=' <A< 4' .NG-.//' BC.' H=5G 5.4B/' <40' A==0' ; /C./' =

the archbishop and his brother. Soon afterwards our recent host, the brother of the archbishop of the Eastern Church, did us the honour of calling and taking his leave, at the same time presenting me with a fine example of his writing on silk, together with a valuable tea-service of Kioto porcelain, the work of one of the best makers in the city. Thus I came into possession of friendly mementoes of my visit from the heads of both branches of the great Shinshu body. I also received a visit from a priest of the great temple of Chionin, which we had visited on the day of our arrival in Kioto, and accepted from him a volume setting forth the origin of the temple in the life of its founder. Numerous other memorials of our visit were sent in throughout the day from friendly persons, including photographs, silks, *saké* cups, etc. I contrived to spend several hours in writing, but was driven by illness early to bed.

TOWER OF NAGOYA CASTLE.

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9 Q C.' B.5G ./' = ' /."H< .O' >@' BC.' <G<4./.' =&O1 &J 4&AE" =-' B.-< @' BC.' ;=') -.<B' ! K 4.' $< <H./"3 <-.' / BE<B.O' 4' BC.' 0.G<-BI 5 .4B' = ' <B<-< " <B' <' /C=-B' 0 /B<4H.' -=5' .<HC' =BC.-' C.@' -<4L' -/B' <5=4A' < ' BC=' C 4B=' B.5G ./' 4' <G<4' 4' G= 4B' = ' /<4HB B@" BC=EAC' 4=B' BC=' 5=/B' <4. =4B" <40' C<K.' 4' BC= .@./' = ' BC.' <G<4./.' BC.' /<5.' 5 I G=-B<4H.' </' BC.' C= @' G <H./' = ' $< ./I B 4.' 4' BC.' .@./' = ') -..L/' <40' &5.4 <4/" =-' .HH<' 4' B =/.' = ' B .' < =5.B44/' =E/<40/' = 'G A- 5/' -./=-B' B BCH-' <44E< @" HC . @' 0E-I 4A' BC=' /G- 4A' 5=4BC/" ; .E' BC.' ; .<BC.-' /' 5=/B' /E B.O' B=' B-<K. 4A R' ,& ' '@

=4 <L. ; <" /= BC<B" ; BC < E-BC.- ./H=-B = B ; = G= H. = H.-/ 4 -=4B <40 B ; = >.C 40" =E- B-< 4 = ; </ E @ </ =4A </ E/E< B ; </ < 0E CEB 0-@ 5=-4 4A ; C.4 ; . B" <40 /==4 -.<HC 4A BC. <4J= >- 0A. ; . < - @ /B<-B.0 EG=4 BC. =L< 0=" ; C HC B<L./ B/ EGC ; <@ BC-=EAC BC. .</B.-4 /E>E-> = BC. H B@" <40 >.H=5./ < K.-@ 4. >-=<0 5<H<0<5 /.0 -=<0" ; 40 4A /B EG ; <-0/ >.B ; . .4 =K. @ ; ==0.0 C /" </ /==4 </ BC. H B@ / . B >.C 40 B.- < 5 . = -=<0" <B BC. C AC./B .K. " BC. =L< 0= 0 G/ 0= ; 4 4B= < <-A. =G.4 K< .@" -=5 < / 0./ = ; C HC BC. H =E0/" ; C HC C<0 >. .4 A<BC.- 4A BC. -. BC-=EAC BC. 4 ACB" ; .-. 4= ; - / 4A L. HE-B< 4/ = / L.4 5 /B/ B= ; <-0/ BC. 5=E4B< 4&B=G/ C. .K. / ; .-. /BE0 =E/ @ HE B K<B.0" BC. C / 0./ >.-< @ ; ==0.0" BC. -=<0 BC-=4A.0 ; BC B-< H" <40 BC. /E4 ; </ 0= 4A B/ >./B B= /C 4. =4 .K.-@BC 4A" < BC=EAC E40.- /=5. ; C<B 0 /<0K<4B<A.=E/ H -HE5/B<4H./ B < . ; 5 4EB./ G</B . ACB ; . H<5. EG=4 BC. -< ; <@ ; =-L/" ; C HC <-. 4 H=E-/. = H=4/B-EHB =4 -=5 # =B=" B= B/E" <40 ; C HC <-. < B.- ; <-0/ B= >. H<-- .0 >@ BC. <L.&/ 0. =4 B= /E-EA< C / ; =G.4 < 0 -.HB -< ; <@ -=EB. -=5 /E-EA< B= # =B= <40 /<L" /= BC<B BC. /.<&>=-4. G-=0EHB/ = BC. 4=-BC.-4 G<-B = <G<4 <40 = BC. A-.<B H= =4@ = .?= 5<@ 40 -.<0@ <HH.//B= BC=/. A-.<B H B ./" <40 >@ /<L< <40 #=>. B= BC. H<G B< " =L =" 4/B.<0 = C<K 4A" </ 4= ; " B= 5<L. BC. =4A -=E40 >@ BC. /B-< B/ = C 5=4=/=L =-5<4@ H </ ./ = G-=0EH. BC /; >. < K.-@ A-.<B 5G-=K.I 5.4B . =-. C< G</B . ACB BC. >.<EB E <L. = ; < =G.4.0 >. =-. E/ </ ; . 0./H.40.0 B= ; <-0/ BC. <-A. B= ; 4 = B/E" / BE<B.0 <B B/ /=EBC.-4 .NB-.5 B@ B/E / < B= ; 4 = <>=EB =-B@ BC=E/<40 4C<> B<4B/" <40 C</ BC. <GG.<-<4H. = A-=<B G-=/G.- B@ B H=4B< 4/ /.K.-< C=E/./ = E-=G.<4 </G.HB" /.K.-< <-A. /HC== /" <40 <4 <>E40<4H. = C 4B= B.5G ./ 9 C. 5<@=- = BC. 0 /B- HB ; . ; . .4B.- 4A ; </ A==0 .4=EAC B= J= 4 E/ C.-." <40 G-=K 0. E/ ; BC B.< <40 H<L. <B < <L.&/ 0. C=E/. </ G-.BB@ </ <4@ <B 8E- HC" 4

M 5 '= ;' (: %;: (0* / - % 0 /((3 :*' -:(: ;0 (=1 . C &-(L(& D> ' ' ==)*, / =%(=-=:7 % ' (=% " /' (0* (+ /

/=' <-' </' /H.4.-@' /' H=4H.-4.0' 40..0' B .' K . ;' 0= ; 4' BC.' <L.' /' .@.4' 4.-' BC<4' <B' 8E- HC'6 BC.' C /3 =4' BC.' - ACB' >. 4A' 5=-.' 0.B<HC.0'6 >= 0'6 <40' G HBE-./ME.' C /' /' =4.' = ' . ACB' G <H./' -=5' ; C HC' BC.' <L.' /' /EGG=/.0' B=' >.' K . ; .0' ; BC' A-.<B' <0K<4B<A.'6 <40' ; .' ; .-.' 4= ;' <>=EB' B=' G-=H..0' B=' <4=BC.-'6 /B ' 5=-.' H. .>-<B.0' ' 5<@' -/B' 5.4B =4'6 C= ; .K.-'6 BC<B' <L.' ; <' /' >@' <-' BC.' <-A./B' 4' <G<4' B' /' ' 5 ./' =4A'6 <40' B/' >-.<0BC' <B' B/' A-.<B./B' /' 2' 5 ./' B' /' BC.-. =-.' =4A.-' BC<4'6 <40' 5=-.' BC<4' B ; H.' BC.' >-.<0BC' ='6 BC.' <L.' =') .4.K<' B' /' 4<--= ; ./B' <B' BC.' /=EBC.- ' .40'6 ; C HC' < =4.' ; .' /< ;'6 <40' H=4B-<HB/' B=' <' >-.<0BC' =' =4 @' <>=EB' <' 5 .' <B' #<B<B<'6 ; C HC' /' ' 5 ./' = (>EB' >.@=40' BC<B'6 4=-BC&.</B ; <-0/'6 B' -<G 0 @' >-=<0.4/' <40' >.H=5./' < /G .40 0' /C..B' = ' ; <B.-

C.' /.H=40' = ' BC.' G= 4B/' = ' K . ;' >. =-.&5.4B =4.0' /' /C @<5<&0.-<'6 BC.' / B.' = ' <5=E/' E00C /B' B.5G ./'6 ; C BC.-' =E-' - .40/' -=5' # =B=' 0.H 0.0' =4' <HH=5G<4@ 4A' E/' C.' 0 /B<4H.' BC BC.-' ; </' 4=B' A-.<B'6 >EB' ; .' C<0' B=' 0 K.-A.' -=5' BC.' =L< 0=' 4' =-0.-' B=' -.<HC' BC.' /G=B'6 <40' ; . ' ; .-.' ; .' -.G< 0' =-' 0= 4A' /=' /C @<5<&0.-<' /' =4.' = ' BC.' =K. ./B' /G=B/' 4' <G<4'6 =-' G-=><> @' 4' <4@' H=E4B-@' B.-'</H.40 4A' <' =4A' ACB' = ' /B.G/' =4.' H=5./' EG=4' <' 4<BE-<' G <B =-5'6 =EB' = ' ; C HC' /B<40' EG' 5<//./' = ' /C..-' <40' <GG<-.4B @' B=GG 4A' > <HL'-=HL/'6 <-=E40'<40' <>=K.' ; C HC'6 =4' =BC.-'-=HL@' .0A./'<40' G HBE-./ME.' / B./'6 /' <' H-= ; 0' = ' B.5G ./'6 /C-4./'6 <40' G<A=0</'6 ; BC' B-../' /G-4A 4A' .K.-@ ; C.-.' -=5' <5=4A' BC.5'6 <40' /B.G/' <40' B.--<H./' /H<BB.-.0' <>=EB' B=' <H B<B.' BC.' 5=K.5.4B/' = ' K / B=-/' C.' G <H.' /' H. .>-<B.0'6 </' =4.' H<4' ; . ' >. .K.'6 =-' B/' >.<EB@' >@' 5==4 ACB'6 = .-4A' =4' BC.' =4.' C<40' BC /' G HBE-./ME.' 5<// 4A' = ' 4<BE-<' <40' B.5G .' /H.4.-@'6 <40' =4' BC.' =BC.-' <' 5<A4 H.4B' K . ;' = ' BC.' <L.' ; BC' BC.' =L< 0=' >-0A.' H-=// 4A' =4.' = ' B/' >-<4HC./' C.' B.5G .' /' . .K.4' CE40-.0' <40' B@' @.<-/' = 0'6 C<K 4A' >..4' >E B' 4' BC.' -. A4' = ' C=5E& .44=' D,2S&S ' ' <40' G<-B/' = ' BC.' =- A 4<' >E 0 4A/'6 4H E0 4A' <' -==5' 4B=' ; C HC' ; .' ; .4B'6 0<B.0' -=5' B/' =E40<B =4' /C @<5<' /' G<-B HE <- @' =-BE4<B.' 4' B/' 0='6 =-' B' C</' <' # ; <44=4' BC<B' :'<HH=-0 4A' B=' <' G<G.-' @ 4A' <B' BC.' 0==- : /' .NH..0 4A @' A.4.-=E/' 4' A-<4B 4A' B=' G.=G .

Z ; C<B BC . @ G-<@ =- C . - / < HE- =E/ . A . 40<-@ /B=-@ H=44 . HB . 0 ; BC BC . =E40 4A = BC /. B . 5 G . " ; C HC H<44=B G-= . / / B= A K . ; BC /B- HB <HHE-<H@" >EB B -E4/ /=5 . ; C<B 4 BC / ; / . C . L<0=" 0 . / - 4A B= >E 0 < A-. <B 5<A . 5=-. BC<4 7 . . B C AC" ; BC G-=><> @ < B . 5 G . B= C= 0 B" . B BC . 4 . . 0 = 5=4 . @" <40 / . 4B =J =" < G- . /B" B= ; =-/C G =4 . = BC .) =4A . 4 A=0/" <40 4ME -. ; C . -. A= 0 H=E 0 >. =E40 =J = 0 0 /=" CEB ; </ 4 =-5 . 0 >@) =4A . 4 BC<B C . ; =E 0 0= > . BB . - B= ; =-/C G <40 4ME -. = # ; <44=4 =J = ; . 4B B= <L . ; <" <40 H=4/E B . 0 <4 = 0 >=<B5<4 ; C=5 C . =E40 /C 4A =4 BC . <L . </ B= < /E B<> . G <H . =- ; =-/C G" <40 ; </ 4 =-5 . 0 BC<B BC . -. ; </ =4 BC . C D ; C . -. BC . B . 5 G . 4= ; /B<40/F < =BE/&/C<G . 0 -=HL K . -@ /E B<> . =- BC . GE-G=/ . " BC . = 0 /C . -5<4 0 /<GG . <- 4A < B . - A K 4A BC . 4 =-5<B =4 : BCE/ G-=K 4A C 5 / . B= >. < A=0 =J = ; . 4B B= # =B= <40 =>B< 4 . 0 -=5 BC . /=4 = BC . A-. <B C=B=LE& B< /C < A= 0 5<A . = # ; <44=4 7 4HC . / =4A" <40 H=4K . @ . 0 B B= BC . /G=B G= 4B . 0 =EB 4 . <- BC . <L . " BC . - . ; =-/C GG 4A B" <40 4ME - 4A ; C . -. A= 0 H=E 0 >. A=B) = 0 ; </ K . -@ /==4 < B . - 0 /H=K . -. 0 4 H=4/ 0 . <> . ME<4B B . / 4 BC . 4=-BC = <G<4" >EB E4 =-BE4<B . @ =J = =E40 BC<B BC . A= 0 # ; <44=4 H=E 0 4=B >@ <4@ G=// > . 5 . <4 >. - . 5=K . 0 -=5 BC . =BE/I /C<G . 0 -=HL" <40 BC . -. =-. -. H=5 5 . 40 . 0 BC . H=4/B-EHB =4 = < B . 5 G . =K . - BC . 5<A . 9 C . L<0= <GG-=K . 0" BC . B . 5 G . ; </ >E B" <40 BC . -. B /B<40/ B= BC . G-. / . 4B C=E-(<40 < BC=EAC BC . # ; <44=4 C</ >EB B ; = C<40/ 4 BC / H</." B /" </ C<K . /< 0" >. -< 4 BC . C AC . /B 0 . A-. . C . L<0=" 4 A-<B BE0 . =- BC . A= 0 0 /H=K . -@" -. /= K . 0 B= >E 0 < A-. <B B . 5 G . 4 # =B=" <40 BC<B" ; </ 4 =-5 . 0 <B /C @<5<&0 . -<" / C= ; BC . A-. <B =J B . 5 G ." < -. <0@ 0 . /H- >. 0" H<5 . B=9 >. >E B C . 0 AA 4A B/ =E40<B =4/ < G-. H =E/ >< ; </ 0 /H=K . -. 0" <40 =J = 5<0 . <4 5<A . 2 . . B C AC B= H=4B< 4

9 / 5 <- 4H 0 . 4B / -. H=-0 . 0 </ BC . =- A 4 = BC . H . . >-<B . 0 <40 . 40 0 % /C4E $<A=0<" 4 . <- - & HC 4=G= @" 4 40 < A= 0 . 4 5<A . = % /C4E ; </ < 0 EG=4 BC . A-=E40 >@ B/ >. <-. -" % /> C / 4 E<" ; C . B/ HE>B=0 4 ><BC . 0 4 BC . /<H-. 0 B<4L" >EB B= BC . 0 / 5<@ = < H=4I H . -4 . 0 BC . 0= /B=EB @ 0 . H 4 . 0 B= >. B . 0 <A< 4 /C- 4 . C<0 BC . - . I =-. B= >. >E B =K . - B" <40 BC . /C- 4= C</ A-= ; 4 4B= < B . 5 G ." <40 BC= B . 5 G . 4B= < /=-B = /<H-. 0 H B@

<40 H-=// 4A BC. >- 0A. =4- H=E-/. <A< 4 <@ BC-=EAC <
K.-@ G-.BB@ C @ H=E4B-@ G HBE-./ME. @ ;==0.0 <40 HE B I
K<B.0 4 BC. 5<44.- /= -.ME.4B @ 5.4B =4.0 C. =4 @
-.5<-L> . .<BE-. = BC. -=<0 ;</ B/ -.ME.4B G<//<A.
<H-=//- K.-&>.0/ -< /.0 C AC <>=K. BC. /E--=E40 4A H=E4B-@
<40 H<--@ 4A BC. 5=E4B< 4 B=--.4B/ 0=;4 B= BC. <L.
B.- E4HC 4A <B BC. K <A. = /C >. ;C.-. /=5. = BC.
= H.-/ <40 /.-K<4B/ = =E- G<-B@ C<0 < -.<0@ H<E/.0 .K.-@I
BC 4A B= >. G-.G<-.0 ;. G-.//.0 =4 BC-=EAC A ==5 <40
5 /B BC<B BC HL.4.0 4B= -< 4 <40 G-./.-K.0 BC<B =-5 E4B
;. /B=GG.0 =- BC. .K.4 4A <40 4 ACB <B BC. K <A. =
/EHC @<5< ;C.-. 4 < 4<B K. 44 ;. =E40 H=5 =-B<> .
ME<-B.-/ G-.G<-.0 =- E/ <40 <B. < 0 44.- BC<B ;=E 0 C<K.
/<B / .0 .K.-@ =4. >EB < # * $ C. =4 @ 4H 0.4B = BC.
-=<0 /<K. BC. 4E5>.- .// /5< 4H 0.4B/ = < G<//<A.
BC-=EAC /B<- 4A <40 <5E/.0 K <A./ ;</ BC. 0 /H=K.-@ =4
BC. B=G = < H= E54 >@ BC. -=<0/ 0. = BC. 0.< 5EB. <40
> 40 5=4L.@/ ;C=/. <HME< 4B<4H. =4 < /5< .- /H< .;.
C<0 5<0. < . ; 0<@/ G-.K =E/ @ 4 BC. E5>.- HC<5>.- =
BC. A=0/ <B BC. B.5G . = =J

B ;</ 4 C.<K@ -< 4 BC<B ;. /B<-B.0 4.NB 5=-4 4A
D .04./0<@ BC. BC = <-HCF B= H-=// BC. E0/EA< 5=E4I
B< 4&G<// 4 GE-/E<4H. = =E- J=E-4.@ B= /. C. 5EHC B==
H<-. E /.-K<4B/ = BC. C=-E/. >.A<4 B= /B -< <>=EB 4 5@
-==5 <B =E- =3H =HL < B.- ;C HC / .GB 4= 5=-. <40 >. =-.
/.K.4 ;. ; .-. 5=K 4A < ;<@ 4 =E- " $ BC. 4E5>.-
= ;C HC C<0 /=5.C=;4H-.</.0 B= <>=EB . ACB..4 C.
-< 4 C<0 H<E/.0 =E- 5.4 B= 0=4 BC. - ; .B ; .<BC.-
<GG<-. ;C HC H=4/ /B.0 = . BC.- /C..B/ = = &G<G.- /EGI
G=/.0 B= >. ; <B.-G-== =- /B- G/ = 5<BB 4A -=E40 = 4/ <40
/C=E 0.-/ ; BC /B-<;C<B/ = /C<G./ <40 / ?./ /= K<- =E/
BC<B 4= B; = ; .-. G-=><> @ .K.4 <GG-=N 5<B. @ < L.1 /=5.
; .-. G.- .HB @ <B =BC.-/ G@-<5 0< =BC.-/ G<-B/ = /GC.-./
-E/B-E5/ = G@-<5 0/ <40 > B/ = . G/= 0/ ;C .=BC.-/
; .-. =-5.0 B= 4<5. .// HE-K.0 /E- <H./ =- <B .</B B=
/E- <H./ ;C HC 5@ A.=5.B-@ / 4/E H .4B B= 0. 4. ; BC
<HHE-<H@(/=5. ; .-. > <HL <40 /=5. ; .-. = BC. 4<BE-<
H= =E- = BC. /B-<; =/=5. ; .-. <-A. <40 /=5. ; .-./5< "

$' #0 ' 1 B' 1. ')'. 2P,

5=/B' = 'BC.5' ; .-.' ; =-4' B ' ; .' HC<4A.0'=E-'5.4"' >EB' =BC.-/' ; .-.' / E4A' EG' =4' BC.' ><HL' = ' BC.' ' < B.-' BC.' ; .<-.-' C<0' >.H=5.' 5G<B .4B' = ' BC.5"' <40' =BC.-/' ; .-.' G BHC.0' B=' - .40/' >@' BC.' ; <@' </' ; .' G<//.0' BC-=EAC' BC.' K <A./' =4' =E-' 4.' = ' G-=H.// =4 ' /' B=' BC.' = &G<G.-/' <40' BC.' /B-< ; ' 5<B/"' BC.@' A=B' A-<0E< @' 0 /G.4/.0' ; BC' =4.' < B.-' <4=BC.-' =4A' >. =-.' BC.' -< 4' . B' = (<40' ; C.4.K.-' BC.-.' ; </' <' E ' 4' BC.' >= /B.-=E/' >.<EB@' = ' BC.' /H.4.-@' BC-=EAC' ; C HC' ; .' G<//.0"' =4.' H=E 0' <5E/.' C 5/. ' ; BC' =>/.-K 4A' BC.' H=5G.B B =4' >.B ; ..4' BC.' /= 4A' G=; .-' = ' 5EO' <40' BC.' H .<4/ 4A' ME< B@' = ' -< 4' EG=4' BC.' 4<L.0' =-5/' = ' 5.4' -=5' BC.' ; < /B' 0=; 4 ; <-0"' </' BC.@' B= .0' EG' C ' <40' 0=; 4' =-' C=E-/' B=A.BC.-' 4' <' 5<44.-' ; C HC' B' /' K.-@' C<-0' B=' -.H=4I H .' =4./. ' B=' <4' /' /EHC' <' ; =40.- E ' >. 4A' .K.4' <B' C /' ; =-/B"' <40' =EB' = ' BC.' H=55=4' H-=; 03= ' 5.4' /EHC' 5<-K. =E/' 40 K 0E< /' H=5.' =-BC : <@"' <40' ; C<B' /' B=' 5.' <-' 5=-.' 5I G-.// K.' /B '"=4.' /../' .K.4' 4' BC.' = ; ./B' H </'./' = ' 5.4"' ; C=' <-.' GEB' B=' 0=' 5.-.' >-EB.' ; =-L"' /EHC' <' G <@' = ' 40E/B-@"' =@< B@' B=' 0EB@"' CE5=E-"' 4B. A.4H."' < .-B4.//"' /B.<0 4.//"' 0.K=B =4"' <40' 5<4@' =BC.-' K -BE./"' BC<B' =-' 5@' G<-B' ' 4.K.-' B-.<B' .K.4' BC.' 5.<4./B' = ' BC.5' ; BC' <4@' </G.- B@' ; BC=EB' .<- 4A' ./B' ' 5 ACB' C<K.' CE-B' BC.' /E/H.GB > B ./' = ' /=5.' 5EB.' 4A =- =E/' >. 4A"' =-' H<E/.0' <' >.BB.-' 4B. .HB' BC<4' 5@' = ; 4' B=' .. ' 4' /=5.' 0E5>' ; <@' *C<B :

G -/' . %2' 3-/
9 *'(' /' -' : ((:*' = *& -%(0 (7
$:-7'' '%10' &-/(-'(1' (18'' =*& *' 0 ;0' 0*-)*/''
'' 3-8*' (0*' -/ ;*:'' Y')**.H

4.' /' 5<0.' B=' .. ' BC.' =-H.' = ' BC /' H=4B 4E< @' 4' BC./.' </B.-4' <40/"' <40' 4=; C.-.' 5=-."' ' .<-"' BC<4' ; C.-.' ; .' E-=G.<4/' =-0' B' =K.-' BC.' =BC.-' -<H./' ' ; </' 4.K.-' ME B.' C<GG@' <B' =4A' #=4A' ; C.4' H<-- .0' D</' ' <05 B' @=E' 5E/B' <B' G-./.4B' C.' BC.-.F' EG=4' BC.' /C=E 0.-/' = ' BC.' C 4./.' HC< -I 5.4'(' <5' 4.K.-' ME B.' C<GG@' C.-."' <5=4A' BC./.' G==-') ' 5.4"' 0-<AA 4A' BC. -' . =; &5.4' <>=EB' 4' H<-- <A./' 4' < ' ; .<BC.-/"' E40.-' < ' H -HE5/B<4H./"' = B.4' ; BC' <BB.4E<B.0' 5E/H ./' <40' ; </B 4A' E4A/' <40' >-.<L 4A' C.<-B/B- 4A/
B.-' .<K 4A' /EHC @<5<' ;=' /==4' =E40' =E-/. K./' <5=4A

BC.' G A- 5/1' BC.-.' ' 4=' 5 /B<L 4A' BC.5' 4' <4@' H=E4B-@'
;C.-.' ' C<K.' .K.-' /..4' BC.5'' <40' BC /' 0<@' BC.@' ;.-.'
4E5.-=E/'' =-' ;.-.' ;.' 4=B' J=E-4.@ 4A' B=;<-0/' BC=/.' 5=/B'
/<H-.0'' 5=/B' E4 K.-/< @' -.K.-.4H.0'' =' < ' BC.' /C-4./' ='
<G<4'' 4' .K.-@' C=E/.' 4' <G<4'X B' /'' =-' ;</'' BC.' HE/B=5'
B=' C<K.' /=5.' / 5G.' H<-0'' =-' 5.5=-<' =' BC.' A=0/' ;=-I
/C GG.0'<B3 /.'' <40' C.-.'' =4' BC /' =HH</ =4'' ;.-.' 5.4'' ;=5.4''
<40' @=E4A' G.=G.' -=5'< 'G<-B/' =' BC.' H=E4B-@"*; BC' .K.-@'
L 40'=' <G<4./.' <H.'' <40' .K.-@'K<- .B@'=' <G<4./.' H=/BE5.''
;.40 4A''BC.-' ;.B' <40' =B.4' ;.<-@' ;<@' B=' <40' -=5' BC./.'
/<H-.0' /G=B/

B.-' <' =4A' H 5>' EG' ;C<B' 5<@' <-@' >.' H< .0' BC.'
5=E4B< 4&/0./' =' E0/EA<' B=' BC.'K <A.' =' BC<B' 4<5.'' ;.'
/B=GG.0' <' .;' 5 4EB./' B=' HC<4A.' H<-- <A./'' <40' BC.4' 5<0.'
BC.' /; B' 0./H.4B' B=' .L'' <B' ;C HC' G <H.' ;.' ;.-.'/B ' =4'
BC.' =L<0=' C /' 0./H.4B' <B' E0/EA<' /' <' 5=/B'-.5<-L<>.'
=4.''BC.' 5<4'-=<0'>. 4A' >-=EACB' 0=;4' BC.'.NH..0 4A @'/B..G'
/0.'=' BC.' 5=E4B< 4'>@' <' /.-./' =' A-.<B @' 4H 4.0' /=G./''
<B.-4<B 4A' 4' =GG=/B.' 0 -.HB =4/'' BC.' /B..G.-' G=-B =4' >. 4A'
/EHH..0.0' >@' <' 5 .' =-' B;=' =' =-0 4<-@' -=<0' =' E4E/E< @'
<-A.' A-<0 .4B' C.' B=;4' <B' BC.' ==B' =' BC.' 0./H.4B' /'
4<5.0' .L'' <40' </' BC<B' /' BC.' .ME K< .4B' =' Q'A<B."R' <40'
BC.-.';</' =-5.-@' <' A<B.' =4' BC /' /0.' =' BC.' /B..G' 0./H.4B'
JE/B' 5.4B =4.0'' 'G-./E5.' BC /';</' BC.' /B.9' =' BC.' E0/EA<'
A<B.' =' BC.' =L<0=' C.' /H.4.-@' BC-=EAC' <' BC /' G<-B' ='
BC.' J=E-4.@' K</4=B' 4.-=-' B=' BC<B' >.B;..4' =-.' <40' BC.'
4A<0 4.'' .NH.GB' 4' BC.' <>/.4H.' =' /EHC' K.-@'. .K<B.0' 5=E4I
B<4/'' 4=4.' =' BC /' -<4A.' =' <G<4./.' C /' -/4A'' /=' <-' </'
;.' H=E 0' /..'' B=';C<B' <-.' L4=;4' </' G 4.' C. ACB/' C.'
>.<EB@' =' BC.' H=E4B-@' H=E 0' 4=B'' C=;.K.-'' >.' .</ @3.NI
<AA.-<B.0'(=B@';==0.0' C /' =' 0 K.-/ .0' /C<G./'' -E/C 4A^'
-K.-/'' <40' .40 .//' HC<4A./' =' </G.HB' <' H=5>4 4A' B=' G .</.'
<40' 4B.-./' BC.'.@.' .' /<;' 5=/B' =' BC.' /H.4.' E40.-' K.-@'
E4 <K=E-<>.' H=40 B=4/'' K ?' 4' <' C.<K@' 0-K 4A' -< 4'' CEB'
C.' 5E/B' >.' >EB' <' G==-' B-<K. .-' <40' <';.<L' 5<A 4.-';C='
H<44=B' 5.4B< @' /;..G' BC.' -< 4&H =E0/' -=5' /EHC' <' <40I
/H<G.'' ' BC.' K< .@/' ; BC' /E4/C 4.'' <40' 0</C' BC.' 4.H.//<-@'
/G<-L 4A' ACB/' =4' B-../' <40' /B-.<5/' ./0./'' <' <40/H<G.

$' 6 0 ' 1 B' -. ')'. 2P

/..4' 4' -< 4"6 <40' ./G.H < @' <' 5=E4B< 4& <40/H<G.' /=' /..4"6 C</' 5<4@' <40' G.HE <-' >.<EB ./' = ' ; C HC' BC.' 5.-.' /E4&' ; =-/C GG.' L4= ; /' 4=BC 4A(' <40' JE/B' </' 5.-/=4' C</' . B' .NC <-<B.0"6 </' C.' /=5. ; C.-.' B. /' E/"6 4' H-=// 4A' <' H=5 5=4' BC-=EAC' /4= ;' GE00 ./"6 /="6 5<@' ; .' .. ' <40' 0. ACB' 4' BC.' /=5>-.' >.<EB@' = ' -< 4&/ ; .GB' K< ./' <40' C /"6 G-=K 0.0' =4 @' ; .' <-.' 4' /@5G<BC@' ; BC' B ' <- @' 4' BC.' < B.-4==4' BC.' ; .<BC.-' H .<-.0"6 </' ; .' . B' >.C 40' E/' BC.' 5=E4B< 4' -<4A./"6 <40' .-.' =4A' BC.' 5 --=-.0' ACB' = ' ; <-' <@' ; </' /..4' 4' BC=' 0 /B<4H."6 <40' G<// 4A' BC-=EAC' BC.' <-A.' B= ; 4' = ' /E"6 <40' /=5.' = ' BC.' 5=/B' /ME< 0' <40' 0 -B@' K <A./' BC<B' ; .' C<K.' /..4' 4' <G<4"6 ; .' H<5.' <B' .4ABC' <>=EB' BC-..' =3H =HL' 4B=' BC.' B= ; 4' = ' <B/E?<L<"6 <40' =E40' HC<-5 4A' <G<-B5.4B/' G-.G<-.0' =-' E/' ; BC 4' BC.' A<B./' = ' BC.' =0=' J* E00C /BF' B.5G .' L @=J ' <K 4A' E4HC.0' <B' #=>B B<' <>=EB' 4==4"6 ;=' C<0' B 5.' B=' /G<-."6 <40' /B-= .0' BC-=EAC' BC.' B= ; 4"6 B=' BC.' A-.<B' 4B.-./B' <40' <5E/.5.4B"6 <GG<-.4B @"6 =&BC.' 4C<> B<4B/"6 <40' = ' 4=4.' 5=-.' BC<4' = ' BC.' K.-@' @=E4A' HC 0-.4"6 ; C=' 4' <G<4' /..5' <B' .NB-.5. @' .<- @' <A./' B=' .5G =@' BC. -' BB .' >- ACB' > <HL' .@./' 4' /H-EB 4 ./' ; =-BC@' = ' 5=-.' .NG.- .4H.0' G.-/=4/' 40..0"6 =4.' ; =40.-/' <B' ; C<B' <A./' BC./.' BB .' 4B. A.4H./' >.A 4' B=' >.' =>/.-K<4B"6 =-' =4' =4.' =HH</ =4 :' 40..0"6 =49 BC.' 0<@' 4=; ' E40.-' -.K . ; : ' ==L.0' B=' /..' ; C<B' ; </' 4' <' BB .' >E40 .' BC<B' <' @=E4A' ; =5<4' ; </' C= 0 4A"6 <40' =E40' 4' B' <' 5 4 <BE-.' 5<4"6 ; C=' ==L.0' /B.<0 @' <B' 5=' </' ' /E-G- /.0' <B' 5@' 5G.-B 4.4H.' ' ; </' 4 =-5.0' BC<B' BC /' =>/.-K<4B' @=E4A' G.-/=4' ; </' B.4' 0<@/' = 0

4' BC.' H=E-/.' = ' BC.' J=E-4.@' B=' <B/E?<L<' ; .' /B=GG.0' <B' <' ; <@/ 0.' /C- 4.' ; C HC' C</' <BB<HC.0' B=' B' <' -. A =E/' .A.40' BC<B' C</' G= 4B/' = ' 4B.-./B' 4' B ' =EAC @' /G.<L 4A"6 B' /' BC / ' .<- @' . .K.4' CE40-.0' @.<-/' <A=' <' A.4B .5<4' H< .0' 4=4=B<L<5E-<' ; </' ><4 /C.0' =-' /=5.' 0 /=>.0 .4H.' B=' BC.' L<0="6 <40' C /' ; ."6 ; C=' ; </' /=--@' =-' C 5"6 ; /C.0' B=' A=' 4B=' .N .' ; BC' C 5 ' C /"6 C=; .K.-"6 ; </' 0.4 .0' C.-"6 <50' /C.' H=4/.ME.4B @' /B=.' =EB' = ' # =B=' B=' BC.' ==B' = ' =E4B' &@."6 ; C=-.' /C.' K.0' =-' <' B 5."6 <40' BC.4' /B<-B.0' ; BC' <' > 40' 5<4' >@' 4 ACB' =-' BC.' /<H-.0' /C- 4./' = ' / ' . 4A' E4<HHE/B=5.0' B=' B-<K. 4A"6 /C.' A=B' K.-@' ; .<-@' =4' BC.' ; <@

<40 =4 -.<HC 4A BC. /G=B ; C.-. /B<40/ BC. /C- 4. /C. 4ME -.0 = < <-5 4A 5<4 BC. 0 /B<4H. B= BC. /. B.5G ./ =- BC. E4 = BC. BC 4A C. B= 0 C.- BC<B BC.@ ; .-. B ; .4B@ 0<@/3 J=E-4.@ ; C HC ; </ <A-.<B .N<AA.-<B =4 <40 BC / /= 0 /H=E-<A.0 BC. G==- <0@ BC<B /C. -./=-B.0 B= < 0.K H. ; C HC /C= ; / BC<B < <0@ H=E 0 >. </ 4A.4 =E/ . .K.4 CE40-.0 @.<-/ <A= </ 4= ; C. 0.H 0.0 =4 A K 4A EG BC. -.5< 40.- = BC. J=E-4.@ <40 G-<@ 4A B= BC. &A=0/ -=5 BC. /G=B ; C.-. /C. BC.4 /B==0 . BC.- A4=- 4A BC. -.5< 4 4A 0 /B<4H. =- </L 4A B= C<K. B B-.<B.0 =- < G-<HB H< GE-I G=/. / </ 4=4&.N /B.4B = C<4A 4A /=5. H= 4/ EG=4 < @=E4A G 4.&B-.. C<-0 >@ /C. G-<@.0 <40 /E>5 BB.0* B= BC. A=0 C.- 0./ -./ <40 /= H B<B =4/ C. A=0 5E/B C<K. C.<-0 <40 <BB.40.0 B= C.- =- >@&<40&C@ BC. <-5 4A 5<4 =4 <BB.5GB 4A B= H<--@ = BC. 5=4.@ BC<B /C. C<0 CE4A =4 BC. G 4.&B-.. ; </ - ACB.4.0 B= /.. B BE-4 4B= < -.&/G BB 4A B ; =&C.<0.0 /.-G.4B ; C HC C. 0<-. 4=B <GG-=<HC . BC.4 4ME -.0 5=-. G<-B HE <- @ <>=EB BC. <0@ <40 -.G.4B 4A = C / 5 / .<0 4A -.G @ B= C.- ME./B =4 C 5/. Q G.-/=4< @ H=40EHB.0R C.- <40 C.- > 40 - .40 B= BC. /C- 4./ C. G 4.&B-.. ; </ 0./ A4<B.0 BC. Q <4A&BC.&5=4.@&EG R B-.. < /C- 4. ; </ >E B =4 BC. /G=B <40 ; C=.K.- >. 4A = <4@ H=5G < 4B ; C<B.K.- BC.-.< B.- <B. < BB .G .H. = BC. B-.. ; </ G-.BB@ /E-. B J"A.B ; . =-BC ; BC C.-. / <K.-@ = 0& ==L 4A G .H. = < B-.. ; BC 4 BC. /C- 4. ; BC /=5. 5=4.@ C<4A 4A =4 B >EB <5 >=E40 B= A K. BC. <G<4./. H-.0 B =- < K.-@ /B- HB -.A<-0 B= B-EBC 4 BC./. 5<BB.-/ C.@ 4.K.- =K.-0= =- 5EHC =K.-0= < 5 -<HE =E/ < < - = BC / /=-B <0 BC / =HHE--.0 4 E-=G. 4 <4@ = BC=/. HCE-HC./ <40 5=4</B.- ./ ; C.-. C<K. /B.4.0 B= / 5 <- <HH E4B/ 5@ 4 =-5<4B/ ; =E 0 0=E>B 4=B C<K. L.GB BC. =- A 4< G 4.&B-.. 4 .N /B.4H. E4B 4= ; <40 H < 5.0 0.4B B@ ; BC B =- BC. ; BC.-.0 5>=- -<A5.4B 0 /G <@.0 <40 BC. H= 4/ L. ; /. ; =E 0 C<K. >..4 BC. K.-@ H= 4/ >-=EACB >@ <0<5. 4=4=B<L<5E- -=5 =E4B &@. EB C.-. =4 BC. H=4B-<-@ ; . ; .-. 0 /B 4HB @ 4 =-5.0 BC<B BC. G 4.&B-.. 4 ME./B =4 0 .0 <>=EB =E- CE40-.0 @.<-/ <A= : <40 BC.-.I =-. K.0 .// BC<4 /.K.4 CE40-.0 @.<-/ ` : <40 BC<B B C<0

>..4 4.H.//<-@ B= G <4B < /EHH.//=- 4 =-0.- B= L..G B/ 5.5=-@ A-..4 ' 5E/B <HL4=; .0A." C=; .K.-" BC<B <4@ =4." <G<4./.'=-'=BC.-" ;=E 0 4<BE-< @ C./ B<B.' B= G-=G=E40 .K.4 <4 .N<AA.-<B =4 =4 < /G=B ; C.-.' < B; =&C.<0.0 /.-G.4B C<0 >..4 L4=; 4 B= /G B -./ 4 0. .4H.' = ' BC.' B-E.' <40 BC.' - ACB

C /' B=; 4 = ' <B/E?<L<" ; C.-.' 4=;' ; .' ; .-." ; </ BC.' > -BCG <H." 4 ,P " = ' < K.-@ .5 4.4B /HC= <- <40 H- B H" 4<5.0 =B==-' =- 4<A<" ; C=5' ' C<K.' C<0 =HH</ =4 B= ME=B.' 4 BC.' -/B K= E5.' DHC<G" F" <40 ; C=" -=5'C /'HC 0I C==0" ; </ -.5<-L<> .' =-' C /' =K.' = ' .<-4 4A ' /' <BC.- 0.0 ; C.4 C.' ; </ >EB B.4 @.<-/ = 0" <40 C /' 5=BC.- ; </ . B G==-" /= BC<B C.' C<0 B= /B-EAA .' ; BC <0K.-/.' H -HE5/B<4H./ 4 H=5 5.4H 4A C /' H<-..-' .' ; </ /=5.C=;' /.4B B= BC.' H<G B< " # =B=" B= /BE0@ <4AE<A.' <40 5.0 H 4." <40 BC.-.' 0..G.4.0 C /' 4B.-./B 4 BC.' GE-/E B = ' .<-4 4A ' ." C=; I .K.-*-.BE-4.0 B= <B/E?<L<" <40 H=5 5.4H.0 G-<HB H.' =-' BC.' B-.<B 5.4B = ' HC 0-.4 ' 4=BC.-' A-.<B /HC= <-" <>EHC "GE>I /C.0 <>=EB BC<B B 5.' < 4=;' <5=E/ ; =-L" = ' ; C HC =B==-' =>B< 4.0 BC.' =<4 J <40 C.' < B.-; <-0/ ; </ =-BE4<B.' .4=EAC B= 5..B <>EHC ' C 5/. ' B BC /' 4B.-K . ; : B <GG.<-/ -=5' -' <B=; 3/ ; - B 4A/ : =B==-' /G=L.' = ' C /' =; 4 0./ -.' B=; - B.' < H=5 5.4B<-@ =4 BC.' 9 ' BC.' 5=/B <4H .4B C /B=- H< ' -.H=-0 DO<B.' , F = ' <G<4" <40(" <>EHC ' -.G .0" BC<B C.' < /= C<0 ; /C.0 B= .NG < 4 BC.' /<H-.0 ; - B 4A/" >EB 4 =-0.- B= 0= BC /' B ; </ -/B 4.H.//<-@ B= A.B - 0 = ' BC.' . .HB/ = ' BC.' C 4./.' GC =/=GC@" <40 0 /H=K.- BC.' A.4E 4.' >. . /' = ' <4B ME B@ ' .' <0K /.0 =B==-' B= 0 -.HB C /' /BE0 ./' <HH=-0 4A @" ; C HC C.' 0 0 ; BC /EHC /EHH.//' BC<B 4 ,7S C.' H=5 5.4H.0 C /' A-.<B ; =-L" BC.' 9 ') ' ; C HC /' <4 .0 B =4 = ' BC.' 9 ' ; BC <4 . <>=-<B.' H=5 5.4B<-@ ' B B==L' C 5' B ' , 7 B= H=5G.B.' BC.' -/B K= E5.' = ' BC.' <4H .4B >==L" >EB B/' /EHH.//; </ 5 5.0 <B." <40 =4.' = ' C /' > =A-<GC.-/ /B<B./' BC<B C /' <5.' 0-.;' B= C 5' 4.<- @ K.' CE40-.0 /BE0.4B/' -=5' < ' G<-B/' = ' BC.' H=E4B-@ : G==-' . =;' ' C.' /.H=40 G<-B ; </ 4 /C.0 4 , 2' =' C<0 < =E- /C 4A' H<-..-" ! < 5 =/ <40 G- 4H./ H=5G.B 4A' =-' BC.' G- K .A.' = ' G.4/ =4 4A' C 5' 4'

C.ˢ K / B.0ˢ # =B="ᶠ &;C .-.ˢ C.ˢ .HBE-.0ˢ B=ˢ H-= ; 0/ˢ = ˢ <05 -./"ᶠ 4H E0 4Aˢ G- 4H./ˢ = ˢ BC.ˢ > ==0ˢ <40ˢ H=E-Bˢ 4=> ./(CEBˢ BC.ˢ = 0ˢ # 4Aˢ = ˢ .--=-/ˢ =-0.-.0ˢ C 5ˢ C<HLˢ 4ˢ BC.ˢ <EBE54ˢ = ˢ BC<Bˢ @.<-"ᶠ <40ˢ C.ˢ C</ˢ / 4H.ˢ -.G=/.0ˢ 4ˢ <ˢ B=5>ˢ G-.K =E/ @ˢ G-.G<-.0ˢ B=ˢ C /ˢ = ; 4ˢ =-0.-"ᶠ 4ˢ BC.ˢ 5=4</B.-@ˢ = ˢ =-<LEJ "ᶠ 4.<-ˢ BC /ˢ G <H."ᶠ <B/- ?<L<

E-ˢ.K.4 4Aˢ <Bˢ <B/E?<L<"ᶠ >. 4Aˢ<ˢ K.-@ˢ ; .Bˢ=4."ᶠ ;</ˢ /G.4Bˢ 40==-/"ᶠ <40ˢ >@ˢ 0.A-../ˢ ˢ ;</ˢ /EHH.// Eˢ 4ˢ >- 4A 4Aˢ BC.ˢ H=4I K.-/<B =4ˢ B=ˢ >.<-ˢ EG=4ˢ BC.ˢ -.H.4Bˢ -.>. =4ˢ = ˢ) .4.-< ˢ < A=ˢ <40ˢ C /ˢ <B/E5<ˢ 5.4"ᶠ 4ˢ-.G-.// 4Aˢ ; C HCˢ 05 -<ˢ #<;<5E-<ˢ B==L"ᶠ </ˢ ; .ˢ L4= ;"ᶠ <ˢ .<0 4Aˢ G<-B"ᶠ >EBˢ H=4H.-4 4Aˢ ; C HCˢ C.ˢ /ˢ E/E< @ˢ / .4Bˢ 4ˢ BC /ˢ =HH</ =4ˢ C /ˢ NH. .4H@ˢ ;</ˢ A==0ˢ .4=EACˢ B=ˢ <K= B-ˢ 5.ˢ ; BCˢ <ˢ A.4.-<ˢ<HH=E4Bˢ = ˢ BC.ˢ 4<BE-.ˢ<40ˢ ˢH -HE5/B<4H./ˢ = ˢ BC<Bˢ <5.4B<> .ˢ -.>. =4"ᶠ >EBˢ ˢ ;</ˢ < B.-I ;<-0/ˢ B= 0ˢ >@ˢ <4ˢ = H.-ˢ G-./.4Bˢ <Bˢ BC.ˢ =G.-<B =4/ˢ ; C HCˢ -./E B.0ˢ 4ˢ BC.ˢ =K.-BC-= ;ˢ = ˢ < A=ˢ BC<Bˢ ˢ /C=E 0ˢ C<K.ˢ B=ˢ .<-4ˢ -=5ˢ /=5.ˢ =BC.-ˢ /=E-H.ˢ C= ;ˢ .4.-A.B H< @ˢ <40ˢ >-<K. @ˢ BC.ˢ <05 -<ˢ C 5/. ˢ G.- =-5.0ˢ C /ˢ 0- B@ˢ C /ˢ ˢ ;</ˢ =-I BE4<B.ˢ .4=EACˢ < B.-;<-0/ˢ B=ˢ 0=

C.ˢ = =; 4Aˢ 5=-4 4Aˢ 0<;4.0ˢ ; BCˢ /EHCˢ <ˢ /B=-5ˢ = ˢ -< 4ˢ <40ˢ ; 40ˢ BC<Bˢ Bˢ ;</ˢ 0.H 0.0ˢ B=ˢ /B<-Bˢ <B.-ˢ 4ˢ BC.ˢ 0<@ˢ BC<4ˢ C<0ˢ >..4ˢ H=4B.5G <B.0"ᶠ <40ˢ >-.<L </Bˢ ;</ˢ 0. .--.0ˢ B ˢ 4 4.ˢ =3H =HL"ᶠ <40ˢ =E-ˢ 0.G<-BE-.ˢ B ˢ < B.-ˢ B.4ˢ @ˢ <4ˢ =K.-/ ACBˢ BC.ˢ " ˢ ;.-.ˢ <B.-ˢ 4ˢ H=5 4A"ᶠ <40ˢ BC.ˢ 4B.-K<ˢ ;</ˢ /G.4Bˢ 4ˢ /B-= 4Aˢ BC-=EACˢ BC.ˢ B=;4ˢ BC 4ˢ BC.ˢ B.5G .ˢ A<B./"ᶠ C=; .K.-"ᶠ ;</ˢ <ˢ >E 0 4Aˢ <GG-=G- <B.0ˢ </ˢ /HC==ˢ =-ˢ A K 4Aˢ 4/B-EHB =4ˢ 4ˢ 4..0 .&;=-Lˢ B=ˢ A - /"ᶠ <40ˢ <ˢ H=EG .ˢ = ˢ 0=?.4ˢ =-ˢ /=ˢ = ˢ BC.ˢ G-.BB@ˢ BB .ˢ .<-4.-/ˢ ; .-.ˢ <Bˢ BC.ˢ A<B.ˢ 40E A 4Aˢ ; BCˢ 5<4@ˢ =BC.-/ˢ BC. -ˢ HE- =/ B@ˢ >@ˢ K.; 4Aˢ Qˢ BC.ˢ C 4./.ˢR (=-ˢ BC.ˢ / ACBˢ = ˢ <ˢ =-. A4.-ˢ /ˢ /=ˢ .NB-.5. @ˢ -<-.ˢ 4ˢ BC./.ˢ G<-B/ˢ = ˢ <G<4ˢ BC<Bˢ < ˢ =-. A4.-/ˢ G<//ˢ ; BCˢ BC.ˢ 4C<> B<4B/ˢ </ˢ G.=G .ˢ = ˢ BC.ˢ 4.<-./Bˢ =-. A4ˢ H=E4B-@"ᶠ K ?ˢ C 4<ˢ .ˢBC=EACBˢ Bˢ E4 < -ˢ B=ˢ BC=/.ˢ 4C<> BI <4B/ˢ B=ˢ <GG.<-ˢ 40 .-.4Bˢ B=ˢ B .ˢ 4B.-./B/ˢ = ˢ <G<4./.ˢ A - /"ᶠ <40ˢ <HH=-0 4A @ˢ BE-4.0ˢ B=;<-0/ˢ BC.ˢ /HC==ˢ B=ˢ </Lˢ <ˢ .;ˢ ME./B =4/ˢ -./G.HB 4Aˢ Bˢ Eˢ BC.ˢ >.<EB ./ˢ >.A<4ˢ Qˢ B=ˢ ><HLˢ Rˢ <Bˢ =E-ˢ <GG-=<HC"ᶠ <40ˢ -.B-.<B.0ˢ B=ˢ BC.ˢ 0==-"ᶠ <40"ᶠ 40 4Aˢ E/ˢ /B ˢ <0K<4H 4A"ᶠ H</Bˢ = ˢ BC. -ˢ H =A/"ᶠ =-ˢ G<BB.4/"ᶠ =-ˢ /C=./"

! $' 6 0 ' B' . ')' . 2SP

=-' ; C<B.K.-' BC.@' 5<@' >./B' C.' H< .0'' <40' /J43H<0' BC-=EAC' BC.' C=E/.' A AA 4A' <40' /H-.<5 4A' ; BC' /=5 .BC 4A' BC<B' *=E 0' 4=B' C<K.' >..4' .<-'' <40' G-=><> @' ;</' 4=B' 0. ACB'' /=' 5<@' G.-C<G/' C<K.' >..4' <5E/.5.4B' .' = =; .0' BC.5' 4'' <40' A.4B @' CE4B.0' BC.5' B ' ;.' A=B' BC.5' B=A.BC.-'' <40' BC.4' /G=EB< . ;' 5 4EB./' 4' .<-4 4A' G<-B HE <-/' =' BC.' /HC== '' ; C HC' G<-B HE <-/' ' .4B -. @' =-A.B' .' /==4' /.G<-<B.0' -=5' BC.5' =-' .K.-'' </' ;.' C<K.' C<0' B='' 0='' -=5' /='' 5<4@' CE40-.0/'' <@' BC=E/<40/'' =' =BC.-/'' C<K 4A' <B' .</B' /C=;4' BC.5' BC<B' Q' BC.' C 4./.' R' <-.' 4=B' 4/.4/ > .' B='' BC.' <BB-<HB =4/' =' BC. -' 4. AC>=E-/

B' BC.' .40' =' =E-' /B-=' BC-=EAC' BC.' K <A.'' ;.' /B=GG.0' <B' BC.' </B' B.<&C=E/.' B='' ;<B' =-'' =E-' ' <40' BC.-.' /<B' .4J=@ 4A' BC.' /E--=E40 4A' ACB' <40' ;<-5BC' =' BC.' /E4' : =-' BC.' 0<@' C<0' >.H=5.' H .<-' <40' 4.' : / G 4A' B.<' <40' /5=L 4A' H A<-.BB./' 4' BC.' /C<0.' =' <' <-A.' /B<- <&B-..'' B-< 4.0' B='' /.-K.' </' <' -== ' B='' <' >=;.-'' <40' 4' K .;' =' <' K.-@' G-.BB@' A<-0.4'' 4B.40.0' B='' <BB-<HB' BC.' G A- 5/'' 0=E>B .//'' =4' BC. -' ;<@' ><HL' -=5' BC.' /<H-.0' /C- 4./' B' .4ABC' BC.' " ' 0-<;' EG' (4' ;.' A.B'' = ' ;.' A='' =-'. ACB' =-' 4 4.' 5 ./' BC-=EAC' /E4' BC<B' /' C=B' <40' ; 40' BC<B' /' H= 0'' <40' <4' <B5=/GC.-' BC<B' /' -./C' <40' GE-.' -=5' BC.' =4A' -< 4&' H .<4/ 4A/' =' BC.' .K.4 4A'' 4 ACB'' <40' 5=-4 4A' C.'G A- 5/' BC HL.4' </' ;.' A='' 5=/B' =' BC.5' ;< L 4A' =-' B=00 4A'' /=5.' =' BC.5' - 0 4A' G<HL.0' 4' H<-B/' <40' BB .' K<4/' 5<0.' A<@' ; BC' H= =E-/' =4' BC.' =EB/ 0.' .K.4' >- ACB.-' BC<4' BC.' HC..L/' =' BC.' 5<4@' G E5G' <40' -.0& <H.0' H=E4B-@&A - /' 4/ 0.' C.' G A- 5/' <-.' =>K =E/ @' 5=/B @' G.</<4B/'' <40'' BC.-.' >. 4A' >EB' BB .' ;=-L' =-' G.</<4B/' <B' BC /' /.</=4'' BC.@' JE0 H =E/ @' 5<L.' BC. -' -. A =E/' G A- 5<A./' 4=;' C.' <HB' =' B/' >. 4A' ' /.</=4' =-' BC.' /C- 4./'' /=' B=' /G.<L'' /' G.-C<G/' <' -.</=4' =-' /EG.- =-' G.=G .' HC==/ 4A' /.</=4/' <B' =BC.-' G.- =0/' C.-.' ;</' <' A==0' 0.<' =' /C=GG 4A' >. 4A' 0=4.' >@' BC./.' G.</<4B&' G A- 5/'' 5=-.'./G.H < @' >@' BC=/.' -.BE-4 4A'' BC.' B-<0.' 0=4.' HC . @' >. 4A' 4' B=><HH=&G=EHC./' <40' /B-<;' C<B/ : C<B/' L.' BC=/.' = ' BC.' " ' 5.4' 5.4B =4.0' 4=B' =4A' <A=' C./.' >-=<0' C<B/'' =' < ' /=-B/' <40' /C<G./'' <-.' /EHC' K.-@' =00' <0=-4I 5.4B/' :4=B ; BC/B<40 4A' BC. -' 5<4 ./B @' A-.<B' EB B@' </

/H-..4/ -=5 BC. /E4 4 C=B ; .<BC.- : BC<B B ;</ HE- =E/ B= /..G.=G .. N<5 4 4A BC.5 <40 H=5G<- 4A BC.5 =4. ; BC <4=BC.-" <40 ; . AC 4A 4 BC.0. H<B. /H< ./ = BC. - B</B. BC. -. /G.HB K. 5 .- B/ <40 >.<EB ./ EB BC.-. BC.@ ; .-." C= 0 4A BC.5 BC / ; <@ <40 BC<B ; <@" <40 K . ; 4A BC.5 ; BC 4 H. 0 /H- 5 4<B =4" <40 < B.- N 4A EG=4 <40 GE-HC</ 4A =4. D /EGG=/. =- <K.-@ .; H=GG.-/F H<-. E @/ 4A 4A B 4 -=4B" =- >.C 40" </ AC <40.-/ H<--@ BC. - /C=./" B= B<L. H<-. = BC.5" <40 BC.4 5<-HC 4A <; <@ H=5G <H.4B @ EG=4 BC. -. /E5.0 J=E-4.@ C=5 .; <-0/ : C=5 >. 4A 4 /=5. H</./" G-=><> @" CE40-.0/ = 5 ./ <; <@" >.@=40 BC. 5=E4B< 4/ <40 /.</ B.- H-=// 4A BC. -<G 0 - K.- @<A< ; < 4 >=<B/" ; BC H-= ; 0/ = K <A.-/ A<BC.-.0 G HBE-./ME. @ =4 >=BC ><4L/ = BC. - K.-" <40 4 4A BC. /B-..B/ = < BC. K <A./" B= /.. BC. =-. A4.-/ <40 BC. G<-B@ A.4.-< @" <40 < B.- < E-BC.- /C=-B 0- K." ; . < ACB.0 4 <5<0<" <B BC. A<B." =- -<BC.- BC. = BC. =EB.- = BC. <4H .4B /C- 4./ = /7" L4= ; 4 </ BC.) .LE" =- EB.- $< <H.

! <B 4A -=5 5<4@ H.4BE- ./ >. =-. BC. 4B-=0EHB =4 = E00C /5 4B= <G<4" BC./. <-." = H=E-/." C 4B= /C- 4./" <40 <B BC. .4B-<4H. ; . ; .-. 5 .B >@ B ; = C 4B= G- ./B/ ; C= C<0 >..4 0.GEB.0 B= /C= ; E/ BC. /<H-.0 G <H. $<// 4A E40.- BC. ; . ; .-. <B =4H. <5 0/B B-../ = <4 <A. <40 5<A4 I BE0. 4=B = B.4 B= >. .ME< .0 C / / /EHC < H=E4B-@ = .NB-.5. @ B< " <-A." <40 <4H .4B B-../ BC<B 4= G<-B HE <- 4=B H. / B<L.4 = .K.4 K.-@ /B- L 4A .N<5G ./" CEB ; </ A <0 B= =>/.-K. BC<B BC-= -AC=EB BC./. /G .40 0 B.5G .&G<-L/ = <5<0<' <40 ' J " 4 ; C HC <-. BC. 5=/B /<H-.0 -. A =E/ /C- 4./ = <G<4" BC. 4.- <40 = 0.- B-../ ; .-. H<-. E @ .4H.0 4 BC 4 BC. B.5G . 5 B/ ; . H<5. Q -/B B= < /5< .0 H. 4 ; C HC ; </ BC. ; C B. C=-/. = BC. 0. B@ = BC. G <H." ; C HC C<GG.4.0 B= >. <4 <-B H < C=-/." BC. -. < =4. C<K 4A -.H.4B @ 0 .0" <40 <4=BC.- 4=B >. 4A =-BCH=5 4A <B G-./.4B" =- < -.</=4 ; C HC 0 0 4=B .<-4 ==4 < B.-I ; <-0/ ; . H<5. B= B ; = K 4A > <HL C=-/./ H=4/.H-<B.0 B= BC. /.-K H./ = BC. B.5G ." <40 5=-. G<-B H <- @ =- BC. A=0 = BC. G <H." =@=EL.&C 5.&4=&L<5 : Q BC. A=0 = ==0" H =BC./" <40 C=E/.& K 4A"X </ =4. <EBC=- B@ .NG < 4.0 B B= 5." =-

%BC.' A=O' = 'BC.' .<-BC3f' G-=0EH."R' </f' <4=BC.-' GEB' B :B=' - 0.' EG=4' 4' "BC.' G-=H.// =4f' = 'BC.' A-.<B'B.5G .' H.-.5=4 < /' f' 'H=E O' 4=B' A.B' =4' BC.' /G=B' <4@' H .<-' <40' E4K<-@ 4A' <HH=E4B' = 'BC.' A=0f' ; =-/C GG.0' <B' BC./.' /.' B.5G ./'' < B.-; <-0/' /=EACB' =-' <00 B =4< ' 4 =-5<B =4'' >EB' = ; 4A' B=' BC.' <HB' = 'BC. -' >. =4A 4A' B=' BC.' 5@'BC= =A H'G.- =O' 'H=E O' 40' 4=BC 4A' BC<B' ; </f' < B=A.BC.-' /<B / <HB=-@'' ./G.H < @' </f' -.A<-0/' BC.' /.N' = 'BC.' 0. B@' = 'BC.') .LE' C.' H .<-./B' <HH=E4B' BC<B' 'H=E O' A.B' ; </f' BC<B' A K.4' 4' <' B-<4/ <B =4' >@' -' <B=; ' = '.NB-<HB/' -=5' <' H=5G <B =4' = ' 5@BC/' -=5' BC.' 5=/B' -. <> .' /=E-H./' >@' <' 4<B K.' ; - B.-'' -<B<' B/EB<4.'' =>/.-K 4A' BC<B' 'G-=G=/.' B=' <>- 0A.' BC.' 4<--<B K.' =-'BC.' H=4K.4 .4H.' = 'BC /' ; =-L'' <40' B=' GEB' B' 4B=' 5@' = ; 4' <4AE<A.'' /=' <-' </f' ' 5<@' 40' 0./ -<> .

C.' C /B=-@' = 'BC.' H</.' -E4/' BCE/1 5<B.-</E'' BC.' /E4& A=00.//'' /.4B' E/<4==' B=' /.<-HC' =-' < A=00.//' 4<5.0' 'L.& 5=HC &4=&L<5 ' 4' BC.' H.4B-<' H=E4B-@' = ' ENE- <4B' -..0@' 5==-/' D <G<4F'' <40' BC.' 5.//.4A.-' =E40' 'L.5=HC '' <40' /= I H B.0' ==O' -=5' C.-' C /' -.ME./B' ; </f' -./G=40.0' B=' >@' 'L.5=HC '' ; C=' G-=0EH.0' ==O' -=5' C.-' 5=EBC' <40' 4=/.'' <40' =BC.-; /.' E4G .</<4B @'' BCE/' <4A.- 4A' BC.' A=O' E/<4==' ; C=' .NH < 5.0'' Q =E' 40..0'' 0./G H<> .' 40..0~' C@' ..0' 5.' ; BC' =E' BC 4A/'V' <40'' 0-<; 4A' C /' /; =-0'' /B-EHL' 'L.5=HC &4=&L<5 ' 0.<0' 4' E/<4==' -.G=-B 4A' BC.' 5<BB.-' 4' 0.B< ' B=' 5<B.-</E'' /C.' ; </f' K.-@' <4A-@'' H< .O' E/<4==' <' ; HL.0' A=0'' <40' -.5< 4.0' /.H E0.0' -=5' C 5' < 0<@' <40' < 4 ACB 9' 5<B.-</E' < B.-; <-0/' /.4B' 50LE5<&4=&E/C ' B=' /..' ' 'L.5=HC ' ; </f' -.< @' 0.<0'' <40' BC.' 5.//.4A.-' =E40' A-= ; 4A' =4' BC.' >=0@' = 'BC.' A=00.//'' 4' K<- = /' G<-B/'' <' / L; =-5'' <' 5E >.--@&B-..'' - H.&/..0/"

M' /' ' & 'F'')* ' /' &' (0 '' :*; */2' %'-/ '? '/'' 0*' '.*::'' (0*' /-3*' ' / @' '' (0*' 3 /6; 22*'' ' -/2' (: *' .%/ '03*/(' '0*' *1*)*2' & 3' (0*' '%/6; 22*'' +-'' (0-(' '0*' +-'' 2*; -2*2' & 3' (0* ' 5 /(' %:*' -/2' 1 %2 %3*:' (' -..*- ' /:7' /(/ ;0(' +: ' (0*' '%%6; 22*'' ':*.(' 9%(' -11 2 /;' (' :: -:- ' (0*' 3 / -..*- '' (' =*' -' 3 -'1%: /*' 2* (7 '& ' /' B% (/;' & 3' 0 '' M< '0 6 * 0%/'F ' -(+' '-7'' (0-(' +0 :*' (0*' '%%6' ; 22*'' ' +-'' . 2%1*2' & 3' (0*' :*&(' *7*' &' A-/-; 6/ 63 8 (' & 3' 0 '' ;0(' *7*' +-'' . 2%1*2' '%0 7 / 56' / 63 8 (' -:' ' 1-::*2' -810/7-6' %'-/ 26/ 63 8 (M -/2' -22'' G (0 '' '' (0*' 3 /' -' 3 -'1%: /*' 2* (7 H

><- .@'' <40' <' <-A.' <LO' /5< ' >.<4'' BC.' C.<0' >. 4A' HC<4A.0' 4B=' <' H= ;'<40' <' C=-/.' 4'-.H. K 4A'BC./.'BC 4A/'' 5<B.-</E' -.J= H.0'' /<@ 4A'' Q C./.' BC 4A/' <-.' BC 4A/' ; C HC' BC.' >.<EI B E' A-..4&CE5<4&C.->'.<B 4A' 5<@' K."R'<40'/C.'H=4/B BEB.0' ><- .@'' >.<4&/..0/'' .BH '' = ' BC.' 0-@' . 0/''<40' - H.&/..0/' = ' BC.' ; <B.-@' . 0/' /=' /C.' <GG= 4B.0' =-0/' = ' BC.' K <A./' = 'C.<K.4'' <40' =-' BC.' -/B' B 5.' 5<0.'BC.5' G <4B' - H.&/..0/' 4' BC.' 4<--= ;' . 0/' <40' BC.' =4A' . 0/' = ' C.<K.4'' /=' BC<B' 4' BC.' <EBE54' BC.' 0-==G 4A' .<-/' ; .-.' <>E40<4B @' ENE- <4B'' <40' - G.4.0' ; . ' /=' /CI' G <4B.0' BC.' 5E >.--@&B-../' =4' BC.' -<A-<4B' C /' = ' C.<K.4'' <40' -.<-.0' / L ; =-5/'' <40'' HC. ; 4A' BC.' H=H==4/' 4' C.-' 5=EBC'' /GE4' BC-.<0 : BC.' <-B/' = ' / L ; =-5&-.<- 4A' <40' ; .<K 4A' BC.4' H=55.4H 4A' /' 'L.5=HC &4=&L<5 ' /' 0.4B H<' ; BC' =@=EL.&C 5.&4=&L<5 '' BC.' =-.A= 4A' .A.40' .NG < 4/' C= ;' B' C</' C<GG.4.0' BC<B' BC.' G- 4H G<' 0. B@' = ' BC.') .LE' H<5.' B=' >.' -.A<-0.0' </' BC.' A K.-' = '<>E40<4B' ==0'' .BH 9

C.-.'<-.'/.H=40<-@' 0. B ./' ; =-/C GG.0' BC.-.'' BC.' HC . ' = ' ; C=5' /' BC.' <0=GB.0' A-<40/=4' = ' BC.' /E4&A=00.//' <40' BC.' A-.<B&A-<40 <BC.-' = ' BC.' -/B' L<0='' 55E& .44='' ; C=' H=55.4H.0' C /'-. A4' 4'BC.' <G<4./.'@.<-' ' HH=-0 4A'B='BC.' .A.40''/<@/' -' <B= ;''BC.'A=00.//' ; /C.0'B='/.40'C.-'<0=GB.0' /=4'' /C &C=&5 5 &4=&5 L=B='' 0= ;4' EG=4' .<-BC' B=' /E>0E.' B'' >EB' C.'GEB' =-BC' C /' = ;4'/=4' 4/B.<0'</' .<0.-'='BC.' .NG.0 B =4' C.' A=00.//' BC.4' G-./.4B.0' 4 A &4=&5 L=B=' ; BC' K<- =E/' B-.</E-./'' <5=4A/B' ; C HC : <40' C.-.' ; .' B=EHC' EG=4' BC.' H.4B-<' /<H-.04.//' < L.' = ' BC.' -<H.' = ' L<0=/' <40' = ' BC.' /@5>= /' = ' BC.' C 4B=' < BC : BC.' 5=/B' 5G=-B<4B' ; .-.' BC.' 5 --=-'' / ;=-0'' <40' /B=4.' =-' >< ' D< B.- ; <-0/' BC.' -.A< <' = ' BC.' <G<4./.' /=K.-. A4/F'' <40' <BB<HC.0' B=' C /' G.-/ C' BC.' =BC.-' B ;=' 4 .- =-' A=0/' = ').LE' BC' -. .-.4H.' B=' BC.' 5 --=-'' /C.' /< 0'' Q' ==L' EG=4' BC /' 5 --=-' </' 5@' /G - B'' L..G

M' G' 0*'. /1 .-:' 2* (7'+ '0 . .*2' / A4 ./' W<>E40<4B'&' E=' '&' A=00.// 3
-(' (:*' A ' '' 7 %8*6O -*6/ 6' ,$ # # '/ A4 ./' BC.' W ==O&'
8-3 ' 1-::*2' 823 10 6/ 68-3 ' 4' G-./=-K 4A&A=0 3' ' ' ' A.B/E&C 5.&4=&'
(0*' : /; ' / 2' ;1('-0 3?S' /'(0*' L<5 ' 5=<4/' WA=00.//' = ' ==0 3R : '
< 5 8 ' 7 ' 3 *-/'' -=%/2-/(N '
==0($ # '' :-27N -/2' (0*' +0 :*

=4$ BC.$ C AC./B$ A-= 40$ =$ BC.$ <0J<H.4B$ K <A.$ =$ -E HC '6 <40$; BC$ .NB.4/ K.$ K . ; /$ <H-=//$ - H.& . 0/$ <40$ A<-0.4/$ B=$ BC.$ 5=E4B< 4/$ >.@=40$.-.$; .$ B==L$ E4HC.=4'6 <40$ /==4$ < B.- ; <-0/$ /B<-B.0$ =-$ BC.$ 44.-$ B.5G .'6 < LE 9$.-.$ /$ L.GB$ BC.$ =- A 4<$ /<H-.0$ 5 --=-'6 ; C HC$ /$ BC.$ 5=/B$ G-.H =E/$ .5> . 5$ =$ BC.$ C 4B=$ < BC'6 <40$ /$ L. ; /.'6 ; BC$ BC.$ /<H-.0$ / ; =-0$ <40$ C< '6 BC.$ <EBC.4B H<B 4A$ 5 . 5=- <$ =$ BC.$ 5G.- <$ 0@4</B@'6 -.A<-0.0$ </$ <$ <G<4$ -.A<-0.0$ B$ =-$ B ; =$ BC=E/<40$ K.$ CE40-.0$ @.<-/'6 0= ; 4$ B=$ 7 '6 <40$ </$ 5=/B$ =$ BC.$ G.=G .$ J.A<-0$ B$ /B $ C /$ B.5G .$ H<5.$ B=$ >.$ >E B$ 4$ BC.$ = = ; I 4A$ 5<44.-$ C.$ /<H-.0$ .5> . 5/$ =$ BC.$ 4<B =4<$ -. A =4$ C<0'6 EG$ B=$ BC.$ B 5.$ =$ BC.$ A-.<B$ L<0=$ EJ 4'6 >..4$ L.GB$ 4$ BC.$ 5G.- <$ G< <H.$ =-$ B.5G .(>EB$ C.'6 </$ /=5.$ /<@$ B=$ 4I H-.</.$ BC. -$ /< .B@'6 <40$ </$ =BC.-/$ < .A.$ >.H<E/.$ C.$ K . ; .0$ <$ -.>. =4$; C HC$ >-=L.$ =EB$ </$ <$ 5<-L$ =$ 0 K 4.$ 0 /<GG-=><B =4$ =$ BC. -$ -. 5< 4 4A$ 4$ C /$ HE/B=0@'6 A<K.$ BC. 5$ 4B=$ BC.$ HC<-A.$ =$ C /$ 0<EACB.-'6 4$ <$ B.5G .$ 0.0 H<B.0$ B=$ BC. 5$ C.@$; .-.$ /E>/.ME.4B @$ -. 5=K.0$ <40$ H<-- .0$ -=5$ G <H.$ B=$ G <H.'6 >EB$ <B& .4ABC'6 4$ BC.$ B ; .4B@&/ NBC$ @.<-$ =$ BC.$ -. A4$ =$ E 4 4&$ .44='6 <40$ BC.-. =-.$ 4$ BC.$ @.<-$ P$ 4 ='6 B$;</$ -./= K.0$ B=$ N$ BC.$ 5 --=-$ <B$ BC.$ K <A.$ =$ ' J '6 =4$ BC.$ - K.-$ E?4A< ; <'6 <40$ BC.-.$ <40$ BC.4$ BC.$ G-./.4B$ B.5G .$;</$ >E B B$ C.$ = 0

M$ 0*' 2 '(-/1*' =*(+**/' (0*' (+ ' (*3 .:*'' 3%'(' =*' =*(+**/' (+ ' -/2' (0 **' 3 :*' ' (0* *' - *' 0 %'*'' /*- :7' (0*' +0 :*' +-7

(' ' && '' /' W 0*' 8-2 F'' 3. *F'(-(*'' (0-(' (0*' '-1 *2' *3C =:*3 ''(0*'3 '=-::'-/2'(0*''+ 2' - *' /'(0*' 5'? '*@'(*3 .:*N =%(' (0 '' 3%'(' =*' -' 3 '(-8*'-'' '+-''-''% *2'=7' (0*'. *''(''-(' 5'? '*@'(0-(' /:7'(0*' 3 '' /'(0* '(*3 .:* (0*'=-::'(0*7' '-2' '' /' (0*' 8-2 F'' .-:-1*' -/2' (0*''+ 2'-(' ('%(%' /' 7-'+0 10' (*3 .:*'-''+ ::=*'**/':-(*' /'+*'-&(* C +- 2'') ' (*2' /'0 '' .-.*' /' (0*' W <*))-:' &' $% *' 0 /(F ' -(+' +0 :*' ' :*/(' '' (' (0*'+0* *-:>@%(R' &' (0*' '-1 *2' =-::' 1 *1(:7' '(-(*'' (0*' &-1('' + (0' *;- 2' (' (0*' 3 ' -/2' '+ 2' '.*-8/;' &' (0*' '+ 2' -' G'*/'0 /*2'-(' ('%(%' /' +- H'-/2' &'(0*' 3 ' /''G'+ '0 ..*2' -(' (0*' - 8%' /' '*'-'' (0*' *. *'*/(-( )*' &' (0*' ; 22*'' &'(0*''%/H' # /'2* /;' (0-(' (0*' '2' (*3 .:*'' - *' (0*' 3 '(' '-1 *2' -/2' -..- */(:7' (0*' .% *'(' 0 /('(*3 .:*'' /' , -.-/' (' '' / (' -' : ((:*''(- (:/; -/2' '' -/'*>-3 .:*' &' (0*' '(-/;*' 2 && 1%:(*'' (0-(' ='(%1(' (0*' -. 2'-1B% '(/' &'1:*- ' /& 3-C (/' /', -.-/ ('&/2' ' -(+'0 3C '*:&' /'0 '' .-.* ' /'(0 '*''0 /*'' '-7C /; ' G (' 0-'' =**/' ='*)*2' (0-(' 0 /('(*3 .:*'' &(*/'1 /(- /'-' 3 ' .:-1*2' /' -' . 3 /*/(' . '(/' -/2' (0 '' 3 ' 0-'' =**/' '%.. '*2' =7' & * ;/* '' (' =*' (0* '2 '(/;% '0 /;' /- 8N =%(' (' '' /:7'(' = ' & %/2' /' (0 '*' +0 10'0-)*' =**/' %/2* ' (0*' 6' &:%*%1 ' &' 9%2 :0 '3 ' (' '' -='*/(

>E 0 4A‘ 0=./‘ 4=B‘ .N /B!‘ ‘ B>.‘ H=4B-<-@'‘ <‘ 4. ;‘ B. 5G .‘ /‘ . PHB.0‘ *K.-@‘ B ; .4B@‘ @.<-/(‘ >EB‘ .<HC‘ 4. ;‘ B. 5G .‘ /‘ <4‘ .N<HB‘ -. G. B B =4‘ = ‘ BC.‘ =- A 4< '‘ <40‘ BC.-. =-.‘ BC.‘ G-./. 4B‘ =4.‘ /‘ <‘ G.- .HB‘ -. G-./. 4B<B =4‘ = ‘ BC.‘ <-HC B. HBE-.‘ = ‘ <G<4‘ <B‘ BC.‘ B 5 .‘ = ‘ C- /B‘ C.‘ G- 4H G< ‘ 0. B@‘ C.-.‘ ; =-/C GG.0‘ /‘ 5<B.-</E'‘ BC.‘ /E4&A=00.//‘ C.-/. '‘ </‘ ; ‘ C<K.‘ >..4‘ 4 .--.0‘ -=5‘ ; C<B‘ C</‘ >..4‘ /< 0‘ >. =-. ‘ -‘ <B= ;‘ H=4I / 0.-/‘ C.-‘ </‘ 4. BC.-‘ 5=-.‘ 4=-‘ .//‘ BC<4‘ <‘ 0. H<B =4‘ = ‘ BC.‘ /E4‘ .-‘ HC . ‘ 4<5 .‘ D =-‘ /C.‘ C</‘ /.K.-< F‘ / A4 ./‘ B.-< @‘ BC.‘ Q‘ -=5& .<K.4& C 4 4A&) -.<B&! . B@ R‘ C.‘ =BC.-‘ 0. B ./‘ ; =-/C GG.0‘ <-.‘ <&J L<-<&=&4=&L<5 ‘ <40‘ =-=?E&C<B<&B=@=&‘ <L &B/E&C 5 .&4=&L<5 '‘ = ‘ ; C=5‘ B‘ /‘ E44.H.//<-@‘ B=‘ /<@‘ 5 -.‘ C.-.

4‘ G<// 4A‘ -=5‘ -E HC ‘ B=‘ ' J '‘ ; C HC‘ ./‘ <B‘ BC.‘ ==B‘ = ‘ BC.‘ C /'‘ . 5>=/=5 .0‘ 4‘ <4H .4B‘ ; ==0/'‘ BC.‘ - K.-‘ 5=/E/=A< ; <‘ C</‘ B=‘ >.‘ H-=//.0‘ >@‘ <‘ 4.‘ >- 0A.'‘ <B‘ . BC.-‘ .40‘ = ‘ ; C HC‘ /‘ <‘ <-A.‘ : ‘ 40 H<B 4A‘ BC.‘ <GG-=<HC‘ B=‘ <‘ B. 5G .‘ = ‘ BC.‘ C 4B=‘ -. A =4‘ B.-‘ H-=// 4A‘ BC.‘ >- 0A.‘ 4B=‘ BC.‘ K <A.‘ = ‘ ' J '‘ =E-‘ ‘ 5 .4'‘ AE 0.0‘ >@‘ =H< ‘ 5E4 H G< ‘ <40‘ G= H.‘ = H.-/'‘ BE-4.0‘ B=‘ BC.‘ - ACB'‘ <40‘ G<// 4A‘ EG‘ BC.‘ 5< 4‘ /B-..B‘ = ‘ ' J '‘ BC-=EAC‘ BC.‘ 4B.-./B.0‘ <40‘ 4B.-./B 4A‘ 4I C<> B<4B/'‘ <40‘ >.B ; ..4‘ /EHC‘ -<4A./‘ = ‘ ; . &B=&0=‘ /C=G/‘ </‘ 40 H<B.‘ BC<B‘ BC.‘ G A- 5/‘ 4‘ BC.‘ <AA-.A<B.‘ <-.‘ G-.BB@‘ <-A.‘ GE-HC</.-/'‘ ; .‘ G<//.0‘ E40.-‘ <4=BC.-‘ ‘ <40‘ 4B=‘ BC.‘ B. 5G .‘ G-.H 4HB/‘ ‘ HE-K 4A‘ <K.4E.‘ = ‘ 5<A4 H.4B‘ B-../‘ .0‘ E/‘ BC-=EAC‘ <‘ G<-L‘ = ‘ .ME< @‘ 4.‘ =4./'‘ G</B‘ <‘ >E 0 4A‘ 4‘ ; C HC‘ BC.‘ G- ./B/‘ G-.<HC‘ B=‘ BC.‘ G.=G .'‘ G</B‘ <4=BC.-‘ 4‘ ; C HC‘ -./ 0.‘ 5=-.‘ = ‘ BC.‘ /<H-.0‘ C=-/./‘ L.GB‘ =-‘ BC.‘ H=4I K.4 .4H.‘ = ‘ BC.‘ A=00.//'‘ G</B‘ <4=BC.-‘ 4‘ ; C HC‘ BC.‘ -. A =E/

& 3‘ -::‘ (: ‘ .% ‘ 0 /(‘ (*3 .:*' H‘ 0 '‘ '‘ .1L& 6#(:7‘ (%*' =*1-%' ‘ ‘ %(+' : -'‘ =**/' 1- *&%:‘ (' /(2%1*‘ (0*‘ + 2'‘ G‘ .:-1*2‘ /‘ -‘ . 3 /*/('‘ . ' (/ H‘ +0 10‘ (0*‘ '2‘ 3 ‘ 1* C (- /:7‘ '‘ / (' -/2‘ & 3‘ '%10‘ -‘. ' (/‘ ('‘ '‘ (%*‘ (0 -('‘ (: *‘ 3 ‘ '‘ -='*/('‘ & 3‘ (: ' - 8%N =%('‘ (0-('‘ -‘ 3 ‘ '‘ (0* *' -/ :‘ '‘ -/‘ =5* ('‘ &'+ '0 .' ‘ -(+F' + /'+ 2'' B% (*2'. *) %':7

. .* :7‘ '(-(*' ('‘ '' 0 +*)* ‘ 1 /C 1*-:*2‘ & 3‘) *+ ‘ /‘ .% *‘ 0 /(‘ (*3 .:*''(0* *'- *‘ / ‘) ' =:*‘ =5*1('' &‘ + '0 .' =%('‘ -('(0 ' - 8%' (: *‘ *. *C '*/(-(/‘ &‘ (0*‘ 2* (7‘ '' / *) * (0*:*' '' (0*'0 22*/'' -1 *2‘ 3 N -/2'%'%-::7‘ (0*‘ '. ('‘ &‘ (0*‘ 2* (7‘ '' '%. . '*2‘ (‘ = ‘ %'0 / 2‘ :‘' 3 *'1 /1*-:*2‘ =5*1('‘ 8/ + /' /'' (0*‘ G‘ %;%'('‘ . (6 %=C '((%(* H‘ '!' 2L'6 112'F

0<4H./ = B .B.5G .<-.G.- =-5.0 <40 BC.4 ; </ -.<HC.0 <
ACB = /B=4. /B.G/ .<0 4A B=BC. -/B A<B. ; <@ = BC./ <HL.0
G <H. .-.BC.G- ./B/ ; C= C<0 5 .B E/ <B BC. .4B-<4H. B=
BC.B.5G . A-=E40/ L 40 @G-./.4B.0 5. ; BC G <4/ = BC.
B ; = B.5G ./ <40 < >- . ; - BB.4 C /B=-@ = BC.5 <00 4A
/EHC =-<`.NG <4<B =4/ </ =HHE--.0 B=BC.5 <40 <4/ ; .- 4A
; C<B.K.-ME./B =4/ B =HHE--.0 B=E/ B=GEB C. A<B. ; <@
; </ =G.4 <40 CE4A L. BC<B = BC. =BC.-B.5G . ; BC <
=4A ; C B. HE-B< 4 <40 >.@=40 ; .-./..4 <4=BC.- <40
=BC.- A<B. ; <@/ >EB 4=BC 4A H=E 0 C. /..4 = BC.B.5G .
B/. <40 </ BB . = H=E-/. = BC.C.<K.4& ; -=EACB 5 --=-
; BC 4 / ; ./B==0 C= ; .K.- BC. G A- 5/ H=4B 4E.0 B=
H=5. = >=BC /.N./ <40 = < <A./ <40 H</B 4A EG=4 BC.
A-=E40 < . ; H= 4/ /=5. ; -<GG.0 4 G<G.- /B==G 4A H <GI
G 4A BC. - C<40/ <40 EBB.- 4A < . ; ; =-0/ = G-<@.- BCE/
<BB< 4.0 <40 H=5G .B.0 BC. =>J.HB =- ; C HC BC. - J=E-4.@&
4A/ C<0 >..4 E40.-B<L.4 </L.0 BC / ; </ < BC.@ /< ; <40 0 0 <40 ; </ B= 0 BC<B B ; </ 4ME -.0 BC.@
<BB.40.0 4= -. A =E/ /.-K H. /< ; 4= 0<4H./ C.<-0 4= 5E/ H
-.H. K.0 4= <0K H.(<40 =E40 BC<B </ < -E . BC.@ 0 0 4=B
</ 4= > .// 4A G-=4=E4H.0 4= / 5G . 5.5=- < = /=5.
L 40 G-./.4B.0 B= BC.5V =BC 4A(>EB BC.@ < >=EACB
BB . 5.5.4B=./ = BC.G <H. <B BC. /B< 4 BC. A-=E40/ =-
<B BC./C=G/ 4 BC.K <A. 9 C<B ; </ B BC.@ /< 0 0E- 4A

M G /'*)* 7 , - . - / * ' *' 0 % ' *' (0* *
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BC.' 5 EEB.' =-' B ; =' BC<B' BC.@' /B==G.0' >. =-.' BC.' /C- 4.V' C.@' 4=' 0=E>B' </L.0' =-' ; C<B.K.-' BC.@' ; <4B.0' 4' G<-B HE <-'' <40' A.4.-< @' =-' =4A' .'' <40' BC.' 5.<4/' = ' .' <40' C<GG I 4.//' 4' BC.' @.<-/' B=' H=5.

/' <' G A- 5' 5@/. ' ' 0./ -.0' B=' /..' <40' .<-4' <' BB .' 5=-.'' <40' BC.-. =-.' ' A <0 @' . ' 4' ; BC' BC.' /EAA./B =4' = ' BC.' G- ./B/'' ; C=' G-=G=/.0' BC<B' ; .' /C=E 0' A=' -=E40' B=' BC.' / 0.' = ' BC.' B. 5G .' 4H =/E-.' <40' A.B' <' ==L' <B' BC.' >E 0 4A/'' <40' ./G.H < @' <B' BC.' /C- 4.' =-' B. 5G .' B/. '' -=5' <4' .5 4.4H.' ; C HC' < =-0.0' BC / ' C /' ; .' 0 0'' <40' C<0' <' K.-@' A==0'' <40' =-' < ' G-<HB H< ' GE-G=/./' <' /E H .4B'' K . ;' = ' ; C<B' ; .' H<5.' B=' /..' ' H=E-/.' ; .' 0 0' 4=B' /..'' 4=-' 0 0' ; .' .NG.HB' B=' /..'' BC.' 5 --=-' B/. ' .<-/' EG=4' @.<-/' -= ' >@' ; BC=EB' BC.' HC . ' G- ./B' C 5/. ' /.. 4A' .K.4' BC.' H</.' H=4B< 4 4A' B'' <40' BC.' =BC.-' G- ./B/' <-.' 4=B' <05 BB.0' 4B=' BC.' >E 0 4A' ; BC=EB' A==0' H<E/. ' = ; .K.-'' BC.-.' ; </' BC.' B. 5G .'' ==LI 4A' JE/B' </' B' C<0' ==L.0' ; C.4' C- /B' ; </' >=-4'' =-' 4.<- @' /='' <40'' </' < -.<0@' /< 0' = ' BC.' =EB.-' B. 5G .'' BC.' ; C= .' <GG.<- 4A' 4=B' E4 L.' <' /E>/B<4B < ' /.B' = ' <-5' >E 0 4A/ 9' 4/ 0.' = ' BC.' 0==-' ; .' ; .-.' ==L 4A' <B' ; </' BC.' 5 --=-' B/. '' <40' BC.-. =-.' 4=BC 4A' ; </' ; <4B 4A' B=' H=5G .B.' BC.' /EHH.//' = ' =E-' G A- 5<A.

E-' <A-..<> .' H=5G<4 =4/' BC.' G- ./B/'' C= ; .K.-'' 5=/B' L 40 @' /EAA./B.0' BC<B' ; .' =EACB' B=' /..' =4.' = ' BC.' H.-.I 5=4 < ' 0<4H./' = ' BC.' B. 5G .'' <40' B=' BC /' ; .' A <0 @' </!/.4B.0'' =4' .<-4 4A' BC<B' B' ; =E 0' 4GB' >=' <' -.G.B B =4' = ' ; C<B' ; .' C<0' /..4' <B' /<L<' <40' <B' <-<'' CEB' =4.' = ' BC.' 5=/B' <4H .4B

/' 0 / % ' &' (0*' % ' '.-(/' ; 2' &' (0*' : 1-: (7 ' -(' 0 '' &*'( ) -:' .' (' (0*' *) :%(/' /' # ' -'' (' + -'' . -1(1-::7' 3 . '' =:*' & ' *)* 7' 0 %''*0 :2* ' ('&*(10' 0 '' + /' ' & 3' '*' (0* *' *> '(*2' -' 1:-''' &' .* ' /'' 1-::*2' ' +0 ' 3 -2*' (' (0* '(-2*' ('0 - + 8' (0*' '-= %(' (0*'1 %/(7' '*:: / ;' -:3 - / -1'' -(' (0*' 5.' B 5 . ' 0 '' G-<HB H.' 0 -'' =**/' :-(*:7' . 0 = (*2' =7' (0*' : 8 / 2 F'' ;)1 / 3 /(' - / 2' (0*7' 1 - /' / +' = ' =(- / *2' /:7' -(' (0*' (*3 .:*'' (0*3 C

/. K./' =-' <B' BC.' -.H=A4 /.0' <A.4H ./ R' : W C.' C 4B=' .5G ./' = ' /. "3 >@' -' -4./B' <B= ; '' -.<0' <B' BC.' / <B H' =H .B@' = ' <G<4 ' -' <B= ; 3/' /' 0=E>B ./' <' 5EHC' E .-' <40' >.BB.-' <HH=E4B' = ' BC./.' <4H .4B' B. 5G ./' BC<4' 5 4.'' >EB' ' C<K.' BC=EAC B' B' >./B' B=' B. ' 5@' = ; 4' /B=-@' 4' 5@' = ; 4' ; <@'' ; BC=EB' <BB. 5GB 4A' B=' - K< '' 4' <4@' 0.A-..'' C /' 5=-.' /HC= <- @' <40' /BE0 .0' <HH=E4B" M' **' '3 -::' */ ; -) / ;' /' .' T ' K= '

0./H- GB =4'' C<40.0' 0=;4' -=5' A.4.-<B =4' B=' A.4.-<B =4' <B' BC./.' /.' /C- 4./' C.' -==5' C<0' <4' < B<-' <B' BC.' .40' =GG=/ B.' BC.' .4B-<4H.'' =K.-' ; C HC' ;</' <' <-A.' 5 --=-' =E40' BC.' < B<-' <40' ;< /' ; .-.' <4' <>E40<4H.' = ' # ' <40' = ' ><40/' <40' B<//. /' B' BC.' < B<-' .40' = ' BC.' -==5' /<B' =4' =4.' / 0.' <' G- ./B'' <40' < =4A' .<HC' = ' BC.' / 0.' ;< /' ; .-.' BC.' 5E/ H <4/' <40' 0<4H.-/'' < ' / BB 4A' =4' BC. -' C.. /' C.' 5E/ H <4/'' ;C=' ; .-.' < /=' / 4A.-/'' ; .-.' < ' 5 .4(BC.' 0<4H.-/' ; .-.' ME B.' @=E4A' A - /'' <BB -.0' 4' ;C B.' <40' -.0'' ; BC' -=4B .B/' = ' >-<//'' -=5' .<HC' .40' = ' ;C HC' 0.G.40.0' <' H=-0' <40' B<//. ' 4' BC.' B=G/' M' BC. -' C.<0/' ; .-.' <-A.' >E4HC./' = ' =; .-/(BC. -' ><HL' C< -' ;</' 4' <' 0* * ' ; BC' B<//. /' <BB<HC.0'' /E-5=E4B.0' ; BC' A B' >=; /' <40' - >>=4/' C.-.' ; .-.' B; =' .ME< @' @=E4A' A - /' 4' -.0' <40' > E.' ; BC' G < 4.-' C.<00-.//./'' ;C=' 4' <' H.-B< 4' ;<@' <BB.40.0' =4' BC.' =BC.-/' C.' 0<4H.' >.A<4' >@' <' /E>=-0 4<B.' G- ./B' =-' <BB.40<4B' H=5 4A' 4' >@' <' / 0.' .4B-<4H.' ; BC' <' ; .B' >-<4HC' = ' BC.' /<H-.0') ' B-..' 4' C /' C<40' B.-' >=; 4A' B=' BC.' /C- 4.' C.' BE-4.0' B=' BC.' K / B=-/'' <40' ;<K.0' B' <' .;' B 5./' /; B @' >. =-.' BC.5'' BC.4' 0 /<GG.<- 4A' .BE-4 4A' <A< 4' B=' BC.' /<5.' .4B-<4H.'' C.' C<40.0' 4' B=' BC.' B; =' > E.&<40&-.0' <BB.40<4B/' B-<@/' = ' C.->/'' - H.'' <40' -E B/' 4' /EHH.// =4' C./.' ; .-.' >=-4.'' H.-.I 5=4 =E/ @' . .K<B.0'' B=' BC.' / N' G- ./B.//./'' ;C=' H=4K.@.0' BC.5' 4' <' / 5 <-' 5<44.-' B=' BC.' < B<-'' G <H 4A' BC.' H=4B.4B/' = ' BC.' -/B' B; =' B-<@/' EG=4' <4' 44.-' < B<-'' <40' BC=/.' = ' BC.' -.5< 4I 4A' =E-' EG=4' <4' =EB.-' =4.'' -.BE-4 4A' BC.' B-<@/' B=' BC. -' B; =' <BB.40<4B/'' ;C=' G<//.0' BC.5' =EB' = ' BC.' >E 0 4A

C .' BC /' ;</' G-=H..0 4A'' BC.' ><40' /.4B' =-BC' ;C<B' /=E40.0' B=' 5.'</' ;< 4A'' 5G =- 4A'' 5G=-BE4<B.' /=E40/'' ; BC' <4' =HH</ =4<' > =; ' EG=4' BC.' 0-E5' =-' .5GC</ /' C.' G- ./B'' ;C=' ; =-.' BC.' <4H .4B' C.<00-.//'' L.' BC<B' = ' BC.' L<0='' 4=; ' -=/.'' <40' < B.-' <' .; '=>. /<4H./' >. =-.' BC.' 5 --=-' /<B' 0=; 4' DEG=4' C /' C.. /F' <H 4A' BC.' < B<-'' <40' 4B=4.0' <' G-<@.-'' =-' ' -=5' <' <-A.' /C..B' = ' G<G.-' C. 0' =EB/G-.<0' >. =-.' C 5'' BC.' 5E/ H <4/' <40' 0<4H.-/' <40' <BB.40<4B/' < ' / BB 4A' ; BC' >=; .0' C.<0/' B=' B/' .40' 5< ' >-<4HC./' = ')' ; .-.' 4=; ' >-=EACB' B=' BC.' G- ./B.//./'' <40' BC.' 0<4H.' B==L' G <H.'' B=' BC.' <HH=5G<4 5.4B' = ' K. .-' 5E/ H' BC<4' >. =-.'' BC.' 0<4H.

H=5G- / 4A' 4=' K.-@' <HB K.' 5=K.5.4B/'* H=4/ /B 4A' 5< 4 @' = ' /C=-B'* / = ; '* <40' A-<K.' G-=5.4<0 4A/'* ; BC' =HH</ =4<' /B<B. @' J= ; 4A/"' <40' 5EHC' / = ; ' ; <K 4A' = ' BC.' >-<4HC./ ' C /' =K.-'* <' C=@' .4B.-.0' 0-.//.0' 4' BC.' 5 B<-@' E40-.//' -=>./' = ' <' *# ' DH=E-B' 4=> .F' = ' BC.' = 0.4' B 5./'* <40' C= 0 4A' 4' C /' C<40/' <' >-<4HC' = ' ' ; BC' <' G.40<4B' C==G'* 0=E>B .//' 4' .E' = ' <' 5 --=-' .' 0<4H.0'* </' B' /' H< .0'* B=' 5EHC' =E0.-' 5E/ H'* >EB' BC.' 0<4H 4A' K</ BB .' 5=-.' BC<4' E-BC.-' G-=5.4<0 4A' <40' 5<L 4A' H.-B< 4' / ; ..G 4A' 5=K.5.4B/' ; BC' BC.' /<]H<]< &>-<4HC'* ; BC' <4' =HH</ =4<' C AC' /B.G ' ' H=E-/.' B' /' <' A-.<B' G B@' =-' BC.' / A4 H<4H.'* ' <4@'* = ' < ' BC /' B=' >.' =/B' EG=4' 5.' <40' 5@' -.<0.-/'* >EB' 4=BC 4A' .NI G <4<B=-@' H=E 0' >.' . H B.0' -=5' <4@' = ' BC.' <G<4./.' G-./.4B'* <40' -=5' BC.' <4/ ; .-/' = ' BC.' G- ./B/' ' 4 .-' BC<B' ' BC.' K<- =E/' 5=K.5.4B/' = ' BC./.' 0<4H./' .K.-' C<0' <4@' A-.<B' <40' /G.H < ' / A4 H<4H.'* BC.' -.5.5>-<4H.' = ' B' /' G-.BB@' 4.<- @' =-' ME B.' =/B' C.' G- ./B' 4.NB' H<5.' =- ; <-0' <A< 4'* <40'* < B.-' . .K<B 4A' BC.' ; - BB.4' G-<@.-' <' . ;' B 5./' >. =-.' BC.' /C- 4.'* . B' BC.' >E 0 4A' >@' BC.' / 0.' 0==-' C.' G-=H.//' = ' G <H 4A' BC.' -E B/'* .BH '* EG=4' BC.' < B<-' ; </' 4=; -.K.-/.0'* <40' .K.-@BC 4A' ; </' -.5=K.0' -=5' BC.' < B<-/*<40' B<L.4' < ; <@'* BC.' 5E/ H' BC.' ; C .' G <@ 4A' =E0' <40' J=@=E/' /B-< 4/ ' X BC' BC /' .40.0' BC.' 5=/B' <4H .4B' = ' BC.' 0<4H./' 4' BC.' 5=/B' /<H-.0' = ' BC.' GE-. @' 4<B =4< ' /C- 4./' = ' <G<4

C.' G- ./B/' ; C=' C<0' <HH=5G<4 .0' E/' -=E40'* BC.' B.5G ./' ; .-.' A==0' .4=EAC' B=' G-./.4B' 5.'* 4' <00 B =4' B=' BC.' G <4/' < -.<0@' 5.4B =4.0'* ; BC' <' 0-< ; 4A' = ' BC.' 0<4H.' ; C HC' ; .' C<0' /..4'* <40' /=5.' -.G=-B/' = ' BC.' -.K.4E./' <40' .NG.40 BE-./' = ' BC.' B.5G ./' C.' G- ./B/' 4E5>.-' B@&4 4.' 4' BC.' B ; =' B.5G ./' <B.-' 4' BC.' 0<@' BC.@' L 40 @' /.4B' 5.' <' 0-< ; 4A' = ' BC.' C=E/.' ; .' ; .-.' /B<@ 4A' 4' <B' -E HC '* <40' <' ' J ' HEG' .<HC' =-' 5@' /=4' <40' 5@/. '* </' E-BC.-' 5.5=- < /' = ' BC.' G <H. ' . =-.' .<K 4A' BC.' A-=E40/' = ' BC /' B.5G .' ; .' =>B< 4.0' /=5.' = ' BC.' G<G.-/' /EHC' </' =BC.-' G A- 5/' B<L.' < ; <@' </' B=L.4/' = ' BC. -' G A- 5<A.'* /=' BC<B' < ' BC.' =>J.HB/' 4' K .;' 4' =E-' K / B' B=' BC.' /.' /C- 4./' ; .-.' 4=;' - .0' B' ; </' 4=B' G=// > .'* C= ; .K.-'* B=' .<K.' BC./.' <4H .4B' ; ==0/'* H=4I /.H-<B.0' >@' BC.' H<-./' <40' G &<@.-/' <40' G A- 5<A./' =

5 =4/ EG=4 5 =4/ = BC./. A==0 <40 L 40 @ <G<4./. G.=G .<40 ; BC /EHC<4 < - = <4B ME B@ <>=EB BC. A-.<B >-=<0&></.0 C AC&B= ; .- 4A B 5.& ; =-4 B-../ ; BC=EB =4H. 5=-. ; <40.- 4A < ; C . 4 BC. - /= .54 /C<0. B </B ; . G<//.0 =EB >@ < / 0. -=<0 4B= BC. ; =- 0 = /C=G/ <40 = ./ ; C HC C<0 =-H.0 B/. EG B= BC. K.-@ A<B./ <40 BC.-. =- BC. -/B <40 =4 @ B 5. 4 <G<4 ; . =E40 BC. B=EB 4A /@/B.5 ; </ 4 E G <@ B ; </ H=4 4.0 C= ; .K.- B= BC. -/B . ; /C=G/ <40 </ BC. B=EB.-/ ; .-. G-.BB@ 4 H. @ <BB -.0 A - / =4. /==4 =-A<K. BC.5 <40 .4B.-.0 4B= >=BC BC. /C=G/ <40 BC. = ./ L. <4@ =BC.- G A- 5 C.4 >.B<L 4A =E-/. K./ B= =E- ; . -.BE-4.0 C=5. B= -E HC =4 @ /B=GI G 4A =4H. B= .4B.- =- < 5=5.4B =- B ; = =4. = BC. 5<4@ G <H./ = <5E/.5.4B =- G A- 5/ ; C HC .N /B 4.<- BC. /C- 4./ >=BC 4 BC. K <A./ <40 =4 BC. C AC ; <@ =5. = BC. G<-B@ ; C= /C<-.0 ; BC E/ BC / K / B B= BC. <4H .4B B.5G ./ = /../..5.0 0 /<GG= 4B.0 BC<B ; . /C=E 0 C<K. C<0 B= A= /= <- <40 /.. /= BB . EB EG=4 5. BC. - . .HB ; </ 5=-. 5G-.// K. BC<4 <4@BC 4A = BC. L 40 ; C HC C<0 /..4 4 <G<4 /EGG=/. BC / ; </ 4 G<-B <B .</B 0E. B= BC. <HB BC<B ; . ; .-. BC.-. 4 E40=E>B.0 H=4B<HB ; BC BC. <4H .4B . <40 BC. <4H .4B < BC = BC. H=E4B-@ = ; .K.- 5@BC H< 5<@ C<K. >..4 BC. =- A 4 = BC. C 4B= -. A =4 ; C.-.K.- BC. 5 --=- 5<@ C<K. H=5. -=5 ; C<B.K.- BC. 0.A-.. 4 ; C HC BC. C /B=- H <40 BC. .A.40<-@ 5<@ C<K. >..4 5 N.0 4 BC. /B=- ./ = BC. .<- @ L<0=/ BC./. B.5G ./ E40=E>B.0 @ ; .-. =- <A. < B.- <A. <40 H.4BE-@ < B.- H.4BE-@ >. =-. E00C /5 ; </ L4= ; 4 C.-. BC. =>J.HB/ B= ; C HC BC. BC=EACB/ = .K.-@ <G<4./. <40 BC. /B.G/ = 5 I =4/ ; .-. 0 -.HB.0 4 N 4A BC. 0<B./ ; C HC C<K. A K.4 C<K. = = ; .0 BC. =4 @ -.H=-0/ BC<B G-= .// /= <- </ L4= ; B= >. <EBC.4B H <40 BC. @ <-. BC=/. A K.4 >. .K. < BC=EAC /=5.B 5./ ; BC -./.-K. 4 < >==L/ 4= ; GE> /C.0 =4 BC. /E>J.HB B BC. /<5. B 5. 0= 4=B </L BC. -.<0.- B= <HH.GB BC.5 ; BC=EB /=5. 5=0 H<B =4 <40 =- BC. -.</=4 BC<B B= 5<L. BC.5 A==0 /=5. = BC. /E>/.ME.4B L<0=/ 5E/B C<K. K.0 </ /B<B.0 4 < =-5.- HC<GB.- B= <A./ ; C HC 4=B <>/= EB. @ 5G=// > . </ 5<4@ ; G-=4=E4H. BC.5 <-.

H.-B< 4 @' 5G-=><> . ' EJ 4& .44="' ; C=' ; </' BC.' -/B' B=' G<//' BC.' /<H-.0' 5 --=-' =EB' = ' C /' L..G 4A'' /' /< 0' B=' C<K.' 0 .0' <B' BC.' <A.' = ' =4.' CE40-.0' <40' 4 4.B..4 ' E 4 4& .44="' ; C=' /EHH..0.0' C 5'' <40' =-0.-.0' BC.' >E 0 4A' = ' BC /' B.5G .' <B' ' J '' K.0' B=' /EHC' <4' <A.' BC<B' C.' 5E/B' C<K.' >..4' -.<0@' =4' .4B.- 4A' B' B=' .NH < 5' ; BC' BC=4E/ :

G # :2' 37' + /8:*2' &**(
. /' (07' ;: 3 3 * /;' (0 *'0 :2' ' +0*/' (0*' '(*-3'
4: -('' %.' & 3' (0 '*' 2 3' &*:2'' -= %(' (0 ' 0 3 ''
&' 0-..7' 3*/' (0-(' 0-)*' (0*' . +* ' (' 2 *
/2' ; -''7' 0- +'' &' (0 ' 0-.. * ' 2*-2 H

.' ;</' =4.' CE40-.0' <4 ' =-B@&=4.' @.<-/' = 0' ; C.4' -. .</.0'
/' /EHH.//=-'' #. L=& .44='' /' H-.0 B.0' ; BC' <' /B ' =4A.-'
.'' 0@ 4A' <B' BC.' <A.' = ' =4.' CE40-.0' <40' =-B@&BC-.. ' B '
; C<B.K.-' .--=-/' = ' HC-=4= =A@' 5<@' C<K.' A=B' 4B=' BC./.' .<- @'
-.H=-0/'' C.-.' <B' BC.' ' J ' <40' <5<0*' B.5G ./' ;.' <-.' 4' E4I
0=E>B.0' H=4B<HB' ; BC' BC.' .<- ./B' C /B=- H' .5>=0 5.4B/' = ' BC.'
C 4B=' < BC'' <40' ==L' EG=4' >E 0 4A/' .N<HB @' L.' BC=/.' = '
<G<4' <B' BC.' H=5 5.4H.5.4B' = ' BC.' C- /B <4' .-< ' =4A'
BC.' -=<0/' =K.-' ; C HC' ; .' B-<K. .0'' 4B=' BC.' ; ==0/' ; C HC' ; .'
.4B.-.0'' EG' BC.' C / 0.' ; C HC' ; .' </H.40.0'' 5.4' <40' ; =5.4'
C<0' >..4' H=5 4A' <40' A= 4A' BC-=EAC' 5<4@' A.4.-<B =4/'' ; BC'
BC /' -. A =4' <40' /C- 4./' L.' BC./.' BC. -' =4 @' -. A =4' <40'
BC. -' =4 @' /C- 4./'' JE/B' </' ; .' /<;' BC.5' H=5 4A' <40' A= 4A'
B=&0<@' ./'' /B ' BC.@' H=5.' <40' /B ' BC.@' A='' H<- 4A'' C.<-I
4A'' L4= ; 4A' 4=BC 4A' = ' < ' BC<B' ; C HC' ; .' <B' C=5.' H=4/ 0.-'
B=' >.' BC.' K.-@' .//.4H.' = ' =E ' < BC'' <40' ; BC=EB' ; C HC' 5<4@'
0.H <-.' -.< ' -. A =4' B=' >.' 5 *=// > . ' .' BC<B' -E4/' 5<@'
-.<0' BC.' 5=-<

BC=EAC' A= 4A' <B.' B=' >.0' =4' BC.' .K.4 4A' = ' BC.' /C- 4.&'
K / B<B =4/'' /=' B=' /G.<L'' ; .' C<0' B=' >.' EG' <40' <B' >-.<L </B' >@'
/ N' BC.' 4.NB' 5=-4 4A'' - 0<@' BC.' ,BC' = ' <-HC' D 4' =-0.-' B=' <
=;' BC.' /.-K<4B/' B=' G<HL' =E-' EAA<A.' <40' /EHC' <-B H ./' = '
0=5./B H' E/.' <40' G-=K / =4/' </' ; .-.' H<-- .0' <>=EB' =-' =E-'
H=4K.4 .4H.F'' <40' BC.-. =-.' <B' C< ' G</B' K.' ' ;</' <-.E/.0' >@'
BC=' BC-= ; 4A' =G.4' = ' BC=' / 0 4A' / 0./' = ' BC.' C=E/.'' <40' BC='
.BB 4A' 4' = ' BC.' 5=-4 4A' ACB' 40' C=;' 5EHC' 5=-.' BC<4'
5.-.' ACB' ;</' .B' 4' ' ' >.<EB E' ;</' BC=' <40/H<G.' 0 /&

G <@.0 BC<B .K.4 BC. 4<B K. /.-K<4B/ ; .-. =E0 4 BC. - .NG-.// =4/ = <05 -<B =4 B ; </ Q BE0@ 4 E. <40)= 0R ; =-BC@ = BC. 4<5 .1 BC. Q A= 0R ; </ BC. /L@ /B..G.0 4 BC. EG&/B-.<5 4A /G .40=E- = BC. /E4 </ @.B B/. E4/..4(BC. %> E. R ; </ BC. BC 4 K. = K<G=E- 0-< ; 4 <H-=// BC. 0..G <40 >-<4HC 4A K< .@/ ; =K.4 = BC. 4 ACB&5 /B/ <40 BC. 0< ; 4 40 BC.-. ; </ K.-@ 5EHC 5=-. BC<4 BC. > E. <40 BC. A= 0(BC.-. ; .-. 0<-L C /. = ; BC. =4. <40 <>=K. BC. =BC.-(BC.-. ; .-. BC. - H.&/ ; <5G/ A .<5 4A L. 5 --=-/ >.B ; ..4 BC. 5 /B/ <40 E/(BC.-. ; .-. B-../ <40 ; ==0.0 / <40/ - / 4A /= B @ =EB = BC. 5 /B/ J <40 BC.-. ; .-. 5<4@ =BC.- >.<EB ./ /= GE-. /= 0. H<B. /= B.4H .- BC<B 0<-. 4=B > E- <40 4JE-. BC. 5 >@ <BB. 5GB 4A B= G< 4B BC. 5 ; BC 5@ G==- G.4 C 5 . @./B.-0<@ ; </ /G.4B <B BC. /C- 4./ = < 5@BC H -. H = BC. /E4&A=00.// = <G<4(BC / 0<@ =G.4/ ; BC BC. - / 4A = BC. /E4&A=00.// C.-/. : /E4&A=00./ 4=B = <G<4 =4 @ >EB = .K.-@ <40 <40 = 5<4@ <4=BC.- ; =- 0 >./ 0./ =E-/ 40 @.B 4= A=00.// /C. E- /E4 4 < B/ A =-@ / >EB =4. = BC. H=E4B .// 5@- <0/ = ACB/ BC<B > <?. =- .K.- 4 BC. .5G . = 5 5=-B< G .40=E- ; C.-. 4 / =E- G- K .A. B= ; =-/C G 4 BC<B B.5G . BC.-. / 4= /C- 4. =- BC. 0. B@ G.4.B-<B./ .K.-@ G<-B = B : 4= 5E/ H =- B/ / .4H. / 5=-. 5G-.// K. BC<4 <4@ /=E40/ : 4= 0<4H./ =- BC. 5@/B H 5<?./ = BC. /B<--@ 5=B =4/ <-. =- .K.- E4 = 0 4A BC.5/. K./ : 4= G- ./B/ =- B/ =4 @ 0.K=B =4/ <-. BC. =K. <40 BC. GE-/E B <40 BC. G=//.// =4 = B-EBC EB < </ < </ < B.5G . L. BC / < ; <@/ =G.4 <40 < ; <@/ G-./.4B 0=./ 4=B /E B BC. 5E B BE0./ = 5.4 C.@ 5E/B C<K. >==L/ <40 > B/ = G<G.- <40 / 4A 4A/ <40 4A/ <40 0-E5&>.<BI 4A/ <40 H <GG 4A/ = C<40/ <40 /B<40 4A/ EG <40 L4.. I 4A/ 0= ; 4 <40 >= ; 4A/ <40 <H 4A/ <>=EB <40 H-..0/ <40 =-5E <- ./ <40 B<4 ./ <40 4=- B=/ <40 < BC=E/<40 =BC.- 4K.4B =4/ <40 H=4B- K<4H./ (<40 ; C<B BC.@ 0.5<40 4 BC<B ; <@ BC.-. <-. < ; <@/ G .4B@ B= /EGG @ BC.5 ; BC 4 BC / <40 .K.-@ H=E4B-@ <40 4 BC / <40 .K.-@ <A.

B , =E- 5G=/ 4A G-=H.// =4 = " ; </ =4H. 5=-. 4 5=K.5.4B <40 -<BB 4A ><HL B= BC. @<A< ; < % .-@ G-.BB@ ; </ BC. H-=// 4A = BC. - K.- 4 BC. .--@&>=<B/

4' BC.' .<- @' 5=-4 4A' ACB'" ; BC' BC.' C<4L/' <A< 4' H-=;0.0' >@' BC.' HC..- E' H=E4B-@' G.=G .(' <40' K.-@' G-.BB@' < /=' BC.' G HBE-.' < B.-;<-0/' =-5.0' ;C .' ;.' ;.-.' ;<L 4A' =-' < 5 .' < =4A' BC.' ><4L' =' BC.' - K.- : =-5.0' =' =E-' BB .' H<-- <A./' ; BC' BC. -' >- ACB @' G< 4B.0' /E- <H./' <40' >-<//' BB 4A/'" BC. -' -.0' -EA/'" <40' BC. -' 5.4' HC . @' 4' > E."" ; BC' <' K <A.' C<-0' >@' @ 4A' <' .;' <A/'" <40' 5<// 4A' <' BB .' H-=;0' =' B/' G=GE <H.' </' <' ><HLA-=E40' =-'=E-' G HBE-./ME.' G<-B@' ' > E.' */L@ >.4B' <>=K."" <' >- ACB' /E4' /C=4.' 0=;4'" <' -./C' >-..?.' > .;' G</B'" <40' .K.-@>=0@' G-./.4B' /..5.0' B=' /C<-.' 4' BC.' .NC <-<B =4' =' BC.' C=E- : .K.-@>=0@' .NH.GB' BC.' G<// 4A' G A- 5/' A= 4A' /C- 4.;<-0/'" ;C='" </' BC.@' 4.<-.0' BC.' =>J.HB' =' BC. -' =4A' 5<-HC 4A/' <40' B= 4A/'" <GG.<-.0' B=' A K.' ;<@'/=5.;C<B' B=' BC. -' ;.<- 4.//(/=' <B' .</B' ' <4H .0' EB' BC.' G-.BB@' G HBE-.' ;</' /G..0 @' >-=L.4' EG' ;C.4' ;.' -.<HC.0' BC.' A-=EG' =' ' <40' <;<@' ;.' ;.4B' <A< 4'" B=' BC.' 5=4=B=4=E/' 5E/ H' =' BC.' 5.4' ;C=' 0-<AA.0' E/' < =4A' ' = B.4' B- .0' B=' H<BHC' BC.' ;=-0/' BC.@' .5G =@' 4' BC.' G<-B @' HC=-<' <40' G<-B @' -./G=4/ K.' 4= /./' ;C HC' BC.@' 5<L."" >EB' BC.@' <-.' E/E< @'B==' 40. 4 B."" 4=B' B=' /<@' 4<-B HE <B."" =-' 5.' B=' >.' /E-.' =' BC.5' 4' BC.' ;<@' B=' BC./.' /.' /C- 4./'" C=;.K.-'" =4' <' ;.B' < B.-4==4'" ' ;</' /EHH.// E' 4'0 /B 4AE /CI 4A' H .<- @' BC.' >E-0.4' =' BC. -' /=4A'" =-' -<BC.-' =' B;=' =' BC. -' /=4A/' 4.' ;</'" </' ;. ' </' ' H<4' /G. ' B :

G +67'(+67' +67'1: ''S
+67'(+67`' +67'1O ''SH

BC.' Q' HC=//' R' >. 4A' /G=L.4' 4' <' B=4.' =' .5GC<B H' 4B.-I -=A<B K.' 40' BC.' =BC.-' ;</ :

`' 0* 7''O 67''O* 7'10 ''SH

;C HC' '4..0' 4=B' ;-B.' 0=;4' <A< 4'" </' BC.' -.<0.-' H<4' -.G.<B' B' B=' C 5/. ' </' = B.4' </' C.' 40/' B' <5E/ 4A' ' B- .0' B=' 0 /H=K.-' ' BC./.' =-' / 5 <-' /=E40/' 5.<4' <4@BC 4A' 4' G<-I B HE <-'" >EB' H=E 0' 4=B' 40' BC<B' BC.@' 0=' ' BC.@' 0='" 5@' -.<0.-/' 5E/B' L 40 @' -.5.5>.-' BC<B' ' <5' A4=-<4B' =' .K.4' . .5.4B<-@' <G<4./.'" ;C .' BC=/.' .NG-.// =4/' =' =G 4 =4'" .. 4A'" 4ME -@'" =-' ;C<B.K.-' ./.' B' /' BC<B' BC.@' .NJJ-H//'"

% ' ' /

0=EBB ./'> . =4A' B=' BC.' 5=/B' -.H=40 B.'-. 4.5.4B/' = ' H </I' <4AE<A.

$ A- 5/'6 /B ' G A- 5/'6 < ; <@/' G A- 5/' BC /' 5=-4 4A'6 <B' .K.-@' G<-B' = ' BC.' -=<0' ' /EGG=/.' B' /' BC.' 4.' <40' >-<H 4A' 5=-4 4A' BC<B' 0-< ; /' BC. 5' =EB' <40' < =4A' BC.' -=<0' B=' <5<0<' <40' ' J ' 4' /EHC' 4E5>.-/ ' 40' C= ;' 4B.-./B 4A' B' /' B=' =>/.-K.' BC. -' <H./' </' BC.@' G</' .' /G.<L' = ' /HE GBE-.' A< .- ./'6 <40' A=' 4B=' <-B H < ' .H/B</ ./' =K.-' BC.' G==-' .NI G-.// =4 .//' /B=4./' = ' <') >/=4' D5=/B @'6 BC=EAC' 4=B' < ; <@/'6 G==-' <40' .NG-.// =4 .//'6 =-' .NG-.// K.' = ' /=5.BC 4A' 4=B' ; =-BC' .NG-.// 4A'6 </' ' BC 4LF'6 <40' @.B' <-.' = B.4' ; BC=EB' BC.' <HE B@' = ' =>/.-K 4A' BC.' ; =40-=E/' /HE GBE-./' = ' BC.' /B-..B/' .-.' <-.' G.=G .' >@' CE40-.0/'6 <40' .K.4' BC=E/<40/'6 <40' 4' BC.' H B ./' <40' B= ; 4/' = ' <G<4' BC<B' ; .' C<K.' < -.<0@' G<//.0' BC-=EAC' ; .' 5E/B' C<K.'/..4' 5<4@' CE40-.0/' = ' BC=E/<40/' = ' BC.5'6 < ' -=EAC @' /C<G.0' <B' -/B' >@' -<H.'6 <5 @' 0./H.4B'6 H 5<B.'6 /= '6 ==0'6 <40' =BC.-' A.4.-<' 4 E.4H./(<40' ; BC' < ' BC.' ACB.-' <40' 4.-' 4./' < B.-; <-0/' GEB' 4' >@' G.-/=4<' C<> B/'6 H<-./'6 J=@/'6 /=--= ; /'6 =K./'6 B.--=-/'6 <40' < ' BC.' BC=E/<40' =BC.-' 40E/B- =E/' <-B /B/' ; C=/.' HC /. /' <40' ./' <-.' =-' .K.-' B= 4A' < ; <@' EG=4' BC.' . ;' /ME<-.' 4HC./' = ' BC.' CE5<4' <H.' =' 5.' BC.' 4B.-./B' = ' BC. -' ; =-L/' /' 4.NC<E/B > .'6 <40' ' L4= ;' 4=B' ; C.BC.-' BC.' 5=/B' 4B.-./B 4A' = ' < ' <-.' 4=B' BC=/.' <H./' =4' ; C HC' A4=-<4H.'6 ; <4B'6 4.A .HB'6 <40' /ME< =-' C<K.' ; -=EACB' BC. -' .K ' ; =-L' 5=/B' 0..G @

40' < 5=/B' </' K<- =E/' </' BC.' <H./' = ' BC.' G A- 5/' <-.' BC. -' H=/BE5./' =5.' = ' BC.' ; =5.4' <40' A - /' <-.' < 5=/B' </' A< @' -=>.0' </' 0<4H 4A&A - /'6 ; BC' H=/B @' ==L 4A'6 G<-B &H= =E-.0' 0-.//./'6 </C 4A' / L' .AA 4A/'6 <40' C< -' 0-.//.0' ' ' $) ' BC.-/' /CE .' G</B' 4' H= =E-/' 4=B' .//' >- ACB'6 >EB' ; BC' H =BC./' = ' G==-.-' B.NBE-.'6 <40'6 ; C.-.' BC.' .AA 4A/' <-.' 4=B'6 BC.' A =//' = ' 4<BE-.' =HH</ =4< @' A .<5/' BC-=EAC' BC.' =G.4' -=>.' ' < L.' ; .<-' =G.4&>-.</B.0' 0-.//./'6 0 /H= =-<B =4' >@' /E4' >. 4A' >EB' BB .' .<-.0' ; C.-.' > -BC' C</' < -.<0@' 0=4.' BC.' >-=4? 4A' ; C HC' BC.' /E4' < =4.' 0=./' EG=4' =E-' 5=-.' H= =E- .//' =-5/' C.' 5.4' <-.' .K.4' 5=-.' K<- =E/ @' 0-.//.0' BC<4' BC.' ; =5.4' /' -.A<-0/' C.<0&G-./.-K.-/'6 ' C<K.' < -.<0@' 5.4B =4.0' BC<B' <B' BC /' ; .B' /.</=4' = ' BC.' @.<-' .K.4' BC.

4. ; ./B' = ' BC. 5'' <40' BC=/.' 5=/B' ; =-BC@' = ' >. 4A' 0 /G <@.0'' <-.' E/E< @' H<-- .0' 4' -=4B' =-' >.C 40'' BC=/.' G <H.0' EG=4' BC.' C.<0' >. 4A' K.-@' . ;' 4' 4E5>.-' EB' <5=4A' BC.' G A- 5/'' </' <5=4A' BC.' H B ?.4/' = ' BC.' H=E4B-@'' 4' BC./.' 0<@/' = ' HC<4A.'' =4.' = ' BC.' =00./B' BC 4A/' =>/.-K<> .' /' BC.' -.ME.4H@' ; BC' ; C HC' BC.' E-=G.<4' C<B' = ' . B'' 4' B/' 0 K.-/ .0' =-5/'' /' ; =-4' 4' H=44.HB =4' ; BC' BC.' 4<B K.' H=/BE5. ' C /' G.-I C<G/' 5=-.' BC<4' <4@BC 4A' . /.' A K./' B=' BC.' G.=G .' = ' <G<4' <B' BC.' G-./.4B' B 5.' BC<B' /=-B' = ' 5</ME.-<0.' < -' = ' ; C HC' =4.' /' /.4/ > .' 4' 5=K 4A' <>=EB' <5=4A' BC.5 ' EB' BC.@' <-.'' ' K.4BE-.' B=' >. .K.'' ; /.' 4' BC. -' A.4.-<B =4' 4' <K=E- 4A' /=' 5EHC' BC.' <0=GB =4' = ' <' C<B' = ' H=5 =-B<> .' /C<G.' <40' 5<B.- < ' NH.GB 4A' <' HC 54.@&G=B' C<B' ; C HC' ' B==L' ; BC' 5.' >EB' 4.K.-' =4H.' -.ME -.0'' ' /< ;' 4=4.' = ' BC<B' 0./H- GB =4' 4' <G<4'' <40' < BC=EAC' BC.-.' <-.' 5<4@' <G<4./.' ; C=' C<K.' >..4' B=' E-=G.' ; C=' 5E/B' G=//./' /EHC' <-B H ./'' BC.@' 4.K.-' <G 1e<-.4B @' 5<L.' E/.' = ' BC.5 ' B-E/B' BC.' E/.' = ' BC.' . B' C<B' ; ' C<K.' <' A-.<B' . .HB' 4' E-BC.- 4A' BC.' <>= B =4' = ' BC.' C<> B' = ' /C<K 4A' BC.' C.<0' ; C HC' /' /=' K.-@' A.4.-<' 4' BC.' H=E4B-@' <5=4A' BC.' 5.4' <40' BC.' HC 0-.4'' <40' ; C HC' 4' BC.' <BB.-' H</.' <GG.<-/' B=' >.' <BB.40.0' ; BC' /=' 5EHC' 4JE-@' <40' 0 /.</.' = ' BC.' /L 4' </' B=' 5<L.' <' ; < L' 4' BC.' /B-..B' = ' <' H B@' =-' K <A.' ME B.' /C=HL 4A' B=' <' E-=G.<4 ' EB' BC.' G A- 5/' =-' BC.' 5=/B' G<-B' H<--@' BC.' /B-< ; ' C<B' =4 @'' <40' A.B' EG' BC. -' C< -' . BC.-' B.-< @' >@' H=5> 4A' B' /B-< ACB' =4' .40' < ' =K.-'' =-' . /.'' ; C HC' /' 5EHC' 5=-.' A.4.-< '' A-= ; ' <' -=4B' BE B' = ' B' J -=BB@' =4A'' 0=E> 4A' <40' B@ 4A' B' 0= ; 4' <B'' ; BC' <' G<-B' = ' BC.' C.<0' /C<K.0' =4' . BC.-' / 0.' = ' B' </' >. =-.' 0./H- >.0 ' C /' </B' /' BC.' /B@ .' = ' BC.' H=55=4' G.=G .' A.4.-< @'' /=' <-' </' ' C<K.' /..4' BC.5 ' B' /'' C= ; .K.-'' <' E/E<' BC 4A' =-' < ' BC.' / 0.' <40' ><HL' C< -' B=' >.' ; =-4' K.-@' =4A' <40' C<4A 4A' ==/. @' <>=EB' BC.' 4.HL' C.' B-<K. 4A' EGG.-' -=>./' <-.' ; =-4' /C=-B' >@' BC.' 5.4'' ; C=' . BC.-' ; .<-' B ACB& BB 4A' > E.' B-=E/.-/' =-' 4=' B-=E/.-/' <B' < '' BC.' /E>I /B BEB.' >. 4A' 4' BC<B' H</.' <' K.-@' /H<4B@' <-B H .' 4' ; C B.' 4.4'' 5 B<B.0' -=5' BC.' </C =4' <0=GB.0' >@' Q' BC.' A-<40' = 0' A<-0.4.-' <40' C /' ; .' R' < B.-' BC.@' >.H<5.' / 4 E '' <40' C<0' H=5 -=5 /.0' E/' < ' /=' /<0 @' /' -.A<-0/' G-=B.HB =4/' =-' BC.

. .B'' BC.' G A- 5' </C =4' ; </' 5=/B' -.ME.4B @' B=' O=' ; BC=EB' BC.5'' =-' B=' ; .<-' /B-< ;' /= ./' <BB<HC.0' B=' BC.' . .B' >@' /B-< ;' /B- 4A/'' BC.' =GG=-BE4 B ./' =-' GE-HC</ 4A' ; C HC' ; .-.' <>E4I 0<4B' 4' .K.-@' K <A.' 4' /=5.' H</./'' </' <5=4A' BC.' >.BB.-&' B=&0=' G.=G .' E/E< @'' <' BC HL' ; C B.' /=HL' ; </' ; =-4' =-' C=E/.C= 0' E/.'' ; BC' <' ; ==0.4' H =A' =-' G<BB.4' =-' -=<0' E/.' =/B' = ' BC.' G A- 5/'' >=BC' 5.4' <40' ; =5.4'' H<-- .0' <' ; < L 4A&' /B< ' 4' BC. -' - ACB' C<40'' <40' =K.-' BC.' . B' /C=E 0.-' <' =4A.-' /B< ' ; BC' <' /5< ' G<-H.' =-' B ; =' <BB<HC.0' C.' G A- 5/' -.BE-4 4A' -=5' BC.' /C- 4./' H<--@' >E40 ./' = ' BC.' HC<-5/' <40' -.5.5>-<4H./' ; C HC' BC.@' =>B< 4' BC.-.'' / 4A 4A' BC.5' -=E40' B . -' 4.HL/' C.' <A./' = ' BC./.' -. A =E/' G.=G .' K<- .0' -=5' BC=/.' = ' @=E4A' <40' > ==5 4A' A - /' B=' BC=/.' = ' BC.' 5=/B' 0.H-.G B' = 0' BC=4E/./' BC<B' .K.-' /CE .0' =4.' ==B' >. =-.' BC.' =BC.-' $==-' = 0' /=E /' G==-' @=E4A' /=E /' ' B.-' G =00 4A' 'BC. -' ; .<-@' ;<@'' G.-C<G/' =-' 5<4@' <' CE40-.0' 5 ./'' BC.@' L4. B' =-' /<B' >. =-.' BC.' ; C B.' K. '' BC-. ;' 0=; 4' BC. -' BB .' H= 4' =-' G<G.-' = ' H= 4/'' EBB.-.0' BC. -' >- . ' G-<@.-'' >=EACB' <' BB .' > B' = ' G<G.-' <40' <' /B HL' =-' B ; ='' <40' ; <40.-.0' = ' ><HL' <A< 4'' .B' E/' C=G.' 4' .K.-@' H</.' ; BC' <' /E-.' <40' H.-B< 4' Q' C=G.' R' = ' /=5.BC 4A'' ' ; BC' 4=BC 4A' 5=-.' ' @=' A=0/' = ' .<-BC'' C=;' .</ @' @.' C<K.' @=E-' ; <@' ; BC' E/' G==-' 5=-B< /' EB' /. 0=5' 40..0' <-.' @.' 5=-.' A.4B .'' 5=-.' 5.-H E '' 5=-.' .</@' ; BC' E/' BC<4' <B' BC./.' /C- 4./' = ' /='' BB 5./' 4' =BC.-' <40/' @.' / B' ; BC' @=E-' 5=4/B-=E/' >-<?.4' <H./'' @=E-' B- G .' C.<0/'' @=E-' BC=E/<40' C<40/'' @=E-' A- 44 4A' 0-<A=4/'' @=E-' A <- 4A' >.</B/'' @=E-' 0.5=4 <H' A<B.L..G.-/'' 0.5<40 4A'' 5<4@' = ' @=E'' 4=B' /<H- H./' = ' BC.' G.=G .3/' ==0' < =4.'' >EB' .</B/' = ' ./C' <40' ><B =4/' = ' > ==0'' <40' = .- 4A/' = ' BC.' K.-@' K./' = ' BC=/.' ; JJ=' ; =-I /C G' @=E ' EB' C.-.'' <B' BC./.' <4H .4B' <>=- A 4< ' /C- 4./' = ' BC.' E4- /.' <40'' ; C BC.-' BC./.' G==-' ; -.BHC./' B= '' 4=' 5=4/B-=E/' 0= '' 4=' A- 44 4A' 0.5=4'' 4=' -.0&C<40.0' G- ./B' ; BC' /<H- H < ' /B.. ' < ; < B/' BC.5 (>EB' <' / 5G .' 5 --=-'' C 00.4' 4' BC.' / 5G ./B' = ' < ' >E 0 4A/'' <40' /H-..4.0' >@' <' / 5G .' K. ' = ' KCB='' /' < ' BC<B' BC. -' 0. B ./'' C.-=' <B' .</B'' .5G =@' B=' -.G-./.4B' <40' B=' 5G-./' EJNF`` BC.5' BC. -' < BC ' C<B' BC.@' /C< ' <K.' BC. -' C<40/' 4' GE-.' ; <B.-'' <40

throw down upon the open earth in front of the veil some coin, is expected of them; but these are the only ceremonial and the only sacrifice that the gods impose on them, and, these fulfilled, their own hearts are left free to utter the prayer, and, better still, to inspire the prophecy which is henceforth to resound from this the most sacred spot on earth to them.

GOLD FISH OF NAGOYA CASTLE.

$ ' 6

' ' ' ' 4' ' # '

0*' (+/' &' '% /' -((-18' &' ::/*'"' /' 88-10 3-(*% ' - ('(' '
-= ("' &'(0*' ,-.-/*'* %/(- /' '1*/* 7 -:' /'-')* 0*' (+/'
&' 7- 0*' ('%(-' '0 /* 0*' '-1 *2' '+ 2' G'#: %2' #:%'(* 'H '
-3-(6 -82 "' *>.*2 (/' -;- /'(' (0*' / ' 0*' /-3*' &' (0*'
'+ 2' 10-/;*2' (' ` -''63 +* H -( )* 0 '(7' &'(0*' '-1 *2' '+ 2'
'(3-(/' /' +0 10' '+ 2"' - *' 0*:2' /L' ,-.-/ 0* ' & 3"' -/2'
B%-:(*' + 263-8/;'-'. &*'' /' &'0 / % + 2' /'1 .(/' '
(B%*((*' &' (0*' '+ 2 0*' 1 (7' &' -; 7- '=-/B%*(' -/2' -/' *>C
0 = (/' &'. 1*:-/ 3-(*% '2 -+ /;"' -/2' + (/;' -; 7-' #-'(:*'
("' (+* "' '% 3 %/(*2' + (0' ; :2*/' & '0*' /' -((*3.(' ('('(*-:' (0*3'
'(7' &'(0*' 1-'(:* <-(' < 7 3-'-' ("' 2*' ;/* $-:-1*' &'(0*'
0 ;%/

' B=;4' = ' 4="' =-' /E"' 4' BC.' G-=K 4H.' = ' /."' 4' BC.' @<'
#.4"' <B' ;C HC' =E-' -/B' C< &0<@3/' J=E-4.@' -=5' -E HC ' ;</'
B=' .40"' /' =4.' = ' H=4/0.-<> .' 5G=-B<4H.' C.' 4E5>.-' = '
B/' C=E/./' /' 2 "' <40' BC<B' = ' B/' 4C<> B<4B/' 22"S "'
<>=EB' =4.' BC=E/<40' = ' ;C=5' <-.' C ?=LE"' 5=/B' = ' BC.5'
C= 0 4A' =LE' #.4A' DG.4/ =4' >=40/F' -=5' BC.' A=K.-45.4B"'
BC.' 4B.-./B/' = ' ;C HC' BC.@' K.' =4' C.' -.5< 40.-' <-.'
5.-HC<4B/' <40' <>=E-./"' BC.' =-5.-' >. 4A' BC.' A-.<B.-'
4' 4E5>.-' C /' G-=K 4H.' ;</' =-5.-@' =;4.0' F@' BC.'
=0=&'J' D =E/.' = ' =0=/F"' <40' C.-.' BC.@' -./0.0' ; BC'
BC. -' -.B< 4.-/' B' BC<B' B 5.' BC.' 4E5>.-' = ' G.=G .' ;</'
A-.<B' <40' 0< @' 4H-.</ 4A"' /=' BC<B' BC.' B= ;4' ;</' G-=/G.-=E/'
EB' < B.-' BC.' HC<4A.' = ' BC.' A=K.-45.4B' -=5' <4' B=' #.4"'
BC.' =-0' = ' BC.' G-=K 4H.' -.5=K.0' B=' =L="' <40' 5<0.' # ;=&
?=LE' = ' BC.' =L =& E' C /' /.<B! BC.' B-<0.' = ' BC.' G <H.' BC.4'
>.H<5.' 0.G-.//.0"' 4' H=4/.ME.4H.' = ' BC.' /H<-H B@' = ' GE-I
HC</./' >@' BC.' $* ' <40' = ' BC.' 0.H-.</.' = ' BC.' G.=G .

' H 4' A > ' -. ')' - B' D 1B ' 27P

@' 0.A-../' BC.' B= ; 4' ;</' BCE/' 5<0.' 0E '6 <40' ./' 5 B 4A' BC<4' >. =-.' = ;'6 C= ; .K.-'6 ; BC' BC.' =E40 4A' = ' BC.' A=K.-45 .4B' = H./'6 JE0 H < ' 0.G<-B5 .4B/'6 <40' /HC==' =-' B.<HC.-/' D C ' C<4A') <LL=F'6 BC.' G <H.' /' <A< 4' G=GE <B.0' ; BC' = H < /' <40' /BE0.4B/'6 <40' BC.' B= ; 4' >. 4A' =4' BC.' C AC ; <@' = ' BC.' /.' ! < &J 4A='6 =-' G A- 5 /'6 /' H=4/B<4B @' K / B.0' >@' BC.' *<//.-/' B=' <40' -=5'6 B=' BC.' 4E5>.-' = ' 5=-.' BC<4' <' CE40-.0' BC=E/<40' G.=G .' @.<- @ ' C.' G.=G .' -=5' BC.' G-=K 4H./' = ' 5==L '6 HC / '6 <40'=BC.-' G <H./' < /=' -.ME.4B @'K / B' BC /' B= ; 4' B=' 5<L.' GE-HC</./'6 <40' /C' = ' 0 .-.4B' /=-B/' <-.' >-=EACB' B=' 5<-L.B' C.-.'6 /=' BC<B' /E' /' 4=;' -./E5 4A' B/' =-5.-' K. I 4.//' <40' G-=/G.- B@ ' 4' =E-' <-- K< ' BC.-.' BC.' 5<@=-' = ' BC.' #.4' ;</' A==0' .4=EAC' B=' -.H. K.' E/'6 4' < >E 0 4A' <H 4A' BC.' H</B ."9' <40' =4' BC.' ><4L' = ' BC.' H</B .' 5=<B ' .-.' ;.' B==L' E4HC.=4' <40' <' >- . ' -./B'6 /==4' -./E5 4A'=E-' J=E-4.@' B= ; <-0/' =LL< HC '6 ; C.-.' ;.' <-- K.0' =4A' >. =-.' /E40= ; 4'6 B<L 4A' M' ME<-B.-/' G-.G<-.0' =-' E/' <B' <4' 44' 4' ; C HC' BC.' B-=E> .' C<0' >..4' B<L.4' B=' >E 0' <4' <00 B =4< ' /5< ' -==5' =-' B ; =' =-' BC.' /EGG @' = ' /EHC' .NB-<' <HH=5 5=0<B =4' </' ;</' G-./E5 .0' B=' >.' .//.4B < ' B=' E-=G.<4/ ' E-' 5< 4' -==5/' ; .-.'6 C= ; .K.-'6 .//.4B < @' <G<4./.'6 <40' E4 =-BE4<B. @' ' C<0' <' =4A.-' =GG=-BE4 B@' = ' /BE0@ 4A' BC.5' BC<4' ;</' <4B H G<B.0' =-' 0.&

g' ! E- 4A' B .' @.<-/' = ' -=LE'6 =/=4=& L 4=&L45 & EA & B/ ' .-.HI B.0' BC /' H</ = ' 4' B .' . .K.4BC' @.<-' = ' -=LE' D ' >' <' G<-B' = ' BC.' G-=K 4H.' ;</' H=4ME.-.0' >@' B<' =& >E44A<'6 =-0' = ' C=') E' </B ."6 ; C=' B==L' G=//.// =4' = 'BC.' =E/B .' <40' G <H.0' B<' #<5=4A4=/EL .' <0<' -=' 4' H=5 5<40' = ' BC.' -=4B .-'6 <40' -.I BE-4.0' B=') E' 4' BC.' B ; . BC' @.<-' = ' -=LE' D ' >' B<' #<?ELH& 4=/EL=' =>EL<E.' /EHH..0.0' #<& 5=4A4=/EL.' 4' BC.' . ACB ' @.<-' = ' .4A/C==' D ' >' =>EL<4.' .-.HB.0' <' K.&/B=- .0' G<A=0<' 4' BC.' .</B = ' 4' BC.' . .K.4BC' @=E-' = ' .4A/C==' D ' =' =5 B<' C & 4<4=' & 4=' & ' '<5 ' =5=E=CE' >.H<5.' =-0' = ' B .' H</B .'6 <40' < B.-; <-0/ -.5=K.0' =' & @=' 4' BC.' BC -B..4BC' @.<-' = ' #. &HC=' D) ' >' =0=& ?E5 &4=&L<5 ' <L<B=-<' D -=5' & @=F' ;</' 5<0.' =-0' = 'BC.' H</B .' <40' =HHEI G .0' B'6 ; C.4' -.G< -/' <40' < B.-<B =4/' ; .-.' 5<0.' ! E- 4A' BC=' @.<-/' = ') .44<' DBC.' -/B' @.<-' = ') .44<' ; <') ' =' BC.' 5=<B' /E--=E40 4A' BC.' H</B .' 4' <40' =EB' ; .-.' 5<0.' B' BC<B' B 5.' BC.' =-0' = ' BC.' H</B .3/' -.H. GB' ;</' P2P" ' 'G.-' <44E5' D.<HC' $ ' 4.<- @' K.' 5G.- < ' >E/C. /F ' 4' BC=' =E-BC' @.<-' = ' . J ' D , ' >' BC.' A=K.-45 .4B' ;</' HC<4A.0'6 <4A' 5<0.' 4B=' #=4A(<40' B .' .</B =' C</' / 4H.' >..4' E/.0' </' >< -<. H/' =-' BC.' /<L<' A<-I - /=4

/ -.0 5 B 5 04 ACB < B.- ; - B 4A =- BC-.. =- =E- C=E-/ -=/. B= G-.G<-. =- >.0 CEB =E40 - / 4A 4= .</@ 5 <BB.-(; C.BC.- -=5 BC. =4A J=E-4./ 4 BC. =- -=5 < K = .4B -C.E5<B H <BB<HL L4. ; 4=B D<40 .K.4 4= ; H<4 =4 @ H=4J.HBE-.F =E40 5@/. 4 .NB-.5. G< 4 4 BC. 5E/H ./ <40 4.-K./ = BC. ><HL </ /==4 </ <BB.5GB.0 B= 5=K. B ; </ 5G=// > . B= C. G 5@/. >.@=40 H< 4A =- <// /B<4H. <40 ; BC BC<B <// /B<4H. ; </ A=B B= >.0 4 E./0<@ BC. 0<@ = /B<-B 4A -=5 # =B= ; . C<0 B-<K. .0 4 BC./. BB . J= B 4A C<40&H<-- <A./ 4.<- @ =-B@ 5 ./(=4 .04./0<@ <>=EB BC -B@& K. 5 ./(=4 CE-/0<@ 5=-. BC<4 B ; .4B@(<40 =4 BC / 0<@ - 0<@ 4.<- @ =-B@ 5 ./ BC. 4B.-K< / = B-<K. 4A >. 4A G.-C<G/ B== 5EHC =HHEG .0 ; BC / BB 4A <B < ; - B 4A&B<> . = ; .K.- < B.- C<K 4A BC. >./B BC<B H=E 0 >. 0=4. =- 5. ; BC=EB BE.0 H< < 0 0E- 4A BC. 4 ACB 0=HB=-/ = .NG.- .4H. ; .-. B. .A-<GC.0 =- -=5 /E <40 -=5 BC. H B@ = <A=@< - 5.- < 4<B K. A.4B .5<4 C<K 4A 4.<- @ B ; .4B@ 5 ./ = -=<0 B= B-<K. <40 BC. <BB.- <) .-5<4 G-= .//=- ! - #=-.B? <4 < 5=/B .ME< 0 /B<4H. =BC ; .-. 5=/B - .40 @ <40 <BB.4B K. <40 ; BC BC. - L 40 G.-/=4< <// /B<4H. .NB.40.0 =K.- BC-.. 0<@/ = G< 4 ; </ <> . B= /B<-B <A< 4 =4 E./0<@ BC. BC = <-HC =- @< >@ /B.<5.- <40 BC.4H. B= <A=@< ! E- 4A 5@ 4./ G-./.4B/ = -E B ; .-. /.4B >@ =H< G.-/=4/(5=/B = BC. <BB.40<4H. ; </ G.- =-5.0 >@ A - / ; C=/. HC..- E G-./.4H. B ; </ /EGG=/.0 ; =E 0 H=4B- >EB. B= BC. G .</<4B G<// 4A = BC. 0 . C=E-/(<40 ; C.4 BC. 5G-=K.5.4B = 5@ C.< BC JE/B .0 B K / B=-/ 0-=GG.0 4 <40 <5E/.0 5. 4 K<- =E/ ; <@/ 4. = BC. = H.-/ = BC. <0J= 4 4A H=E4B@ = HC - 4=L ; C= C<0 H=5. =K.- -=5 @< 4.NB <A=@< B= E-BC.- BC. <--<4A.5.4B/ =- =E- /B<@ BC.-. ; </ L 40 .4=EAC B= 0-=G 4 <40 0-< ; /=5. G-.BB@ 4L G HBE-./ =HH</ =4< @ .N.HEB 4A G<-B/ = BC.5 = - BC. <5E/.5.4B = BC. BC 4A ; BC < >-E/C C. 0 4 C / 5=EBC - 4 C / 4=/B- - B .0 B= C / . >= ; - >.B ; ..4 C / B=./ BC. -./E B/ 4 < H</./ >. 4A A==0 <40 /=5.B 5./ .NH. .4B

C / 4.//= < . ; 0<@/ 4 < GE-. @ <G<4./. 44 .4<> .0

5.' B=' /.H' 54H ' = ' BC.' 5=0.' = ' .' 4' /EHC' G <H./'" =4.' = ' BC.' =00./B' .<BE-./' = ' ; C HC' ; </' BC.' GE 4A' =EB' = ' BC.' G G.' <40' B=C<HH=&G=EHC' <40' BC.' B<L 4A' = ' <' . ;' ; C /' >@' 5=/B' .K.-@' =4.' ; C=' H<5.' B=' @=E-' -==5'" -=5' BC.' 4<B K.' 0=HB=-' ; C=' ; </' BC.-.' B=' G-./H- >.' =-' @=E'" B=' BC.' ; =5<4' ; C=' .0' @=E-' ' ; BC' HC<-H=< '" <40' BC.' A - ' ; C=' C<40.0' &@=E' @=E-' HEG' = ' B.< ' ' H=E-/.' ' K.-@' 5EHC' -.A-.BB.0' 0. <@ 4A' C /' .NH. .4H@' 05 -<' #< ; <5E-<' =-' BC-..' 0<@/' =4' BC.' J=E-4.@' C=5. ; <-0' B=' BC.' /.<B' = ' A=K.-45.4B'" >EB' C /' G<B .4H.' <40' L 404.//' ; .-.' 4.NC<E/B > .

.' . B' =LL< HC ' <B' ' ' =4' < 5=-4 4A' = ' A-.<B' >.<EB@'" JE0A.0' .K.4' -=5' =E-' G= 4B' = ' K . ; '" K ? ' BC<B' = ' 5 .-.' 5 .4'" ; C=/=' =4 @' G<BC/' .' < =4A' BC.' /E- <H.' = ' BC.' .<-BC' <40' BC.' /.<'" /E>J.HB' B=' .K.-@' K<- <B =4' = ' H =EO' <40' >-..?.' >. =4A 4A' B=' BC.' 5.-.' /E- <H.'" <40' = B.4' HEB' = ' -=5' BC<B' /G .40=E-

Q' C HC' =3.-/JE 5 O/'
' 4= /.' <4 O' B. 5 G./B R

' /<@' JE0A.0' -=5' =E-' G= 4B' = ' K . ; '" >.H<E/.' <' BB .' ; <@' EG'" = ' H=E-/.'" JE/B' <>=K.' =E-' = ; ' <40' K<-@ 4A' H =EO/'" BC.' /G .40=E-' = ' /E4&>- ACB4.//' <40' /B<-&>.<EB@' < B.-4<B. @' G-.K< '" E40 5 5 .0' >@' H =EO' =-' /B=-5'" <40' = ' BC /' 5=E4B< 4' -.A =4/' -.ME.4B @'-.5 40'=4. ' C.'/B-..B/'= ' =LL< HC ' ; .-.' 4.0' ; BC' G.=G .'" .NC > B 4A' E4E/E<' 4B.-./B'" B' C<K 4A' >.H=5.' L4= ; 4'" 0=E>B .//'" BC<B' =E-' G<-B@'" 4H E0 4A' < 5 4 /B.-' <40' B ; =' =-. A4.-/'" C<0' >..4' /B<@ 4A' 4' BC.' B= ; 4' =-' /.K.-<' 0<@/ : <4' E4 ; =4B.0' .K.4B' C.' 5<@=-' = ' BC.' #.4' <40' BC.' GC@/ H <4' -=5' /E' <HH=5G<4 .0' E/' B=' BC.' /B.<5.-' <40' /<;' E/' = ' .' ; .-.' 4' BC.' H.4B-.' = ' <4' <5GC BC.<B-.' = ' 5=E4B< 4/'" ; BC' BC.' ><@' <40' BC.' .K. & <40/' =-' BC.' <-.4<' 40' C= ;' >.<EB E' ; .-.' BC.' 5=E4B< 4/' 4' BC.' ; ./B'" < ' BC.' ; <@' EG' -=5' /.' 4' BC.' /=EBC' B=' BC.' 4=-BC& ; ./B' = ' =LL< HC '" BC.' 5=-4 4A' ACB' 0 /G <@.0' BC. -' J<AA.0' =EB 4./' <40' BC. -' H<-K.0' / =G./' </' H .<- @' </' ' ; .' C<0' C. 0' BC.5' 4' =E-' C<40/' L.'/=<&/C= /'" <40' =>/.-K.0' BCE/' H =/. @' BC. -' A-==K.0' <40' HC</.0' /E- <H./' 4' BC.' 4=-BCI .</B'" B= ; .- 4A' 4B=' BC.' K.-@' C.<K.4/'" <40' 5=-.' /4= ; & ; C B.' BC<4' <4@' B.4B'" ; </' BC.' 5=E4B< 4' = ' #=5<A<0<L.'" ; C HC' ; =

C<0 /..4 -=5 /.=4BC.5=-4 4A=E-ME BB 4ABC./C- 4./
<40B=;4/(<40 5=-.B=BC..</BBC./4=;@-<4A./= C=EL
; BC 0<-L G.<L/ <40 >- ACB G.<L/ 4.<- G.<L/ <40 0 /B<4B
G.<L/ - / 4A 4 /EHC =K. 4.// >.B;..4 <40 >.@=40 </
BC.=>J.HB=BC. -<EBC=-C<0 >..4B=/L.BHC<G HBE-.-<BC.-
BC<4B=>E 0<;=-03

B4==4;.<-- K.0=EB/0.==@<;CHC /BC.G=-B=
<40H=4B 4E=E/;BC BC.A-.<BHB@==<A=@<<40 4=G.4
>=<B/;BC/< /=-5.0=/.G<-<B./B- G/=4.4<B.-BC.
</C=4==<G<4/<.0 4B=<40<>=EB B;=5 ./EGBC.
- K.-B=BC.B=;4 C.-K.-<GG-=<HC C</=>K=E/@>..4
G-./.-K.0D-=5/ B4AEG>@BC.-K.-0.G=/B/F>@<-B I
H<;=-L/<>=- =E/@H<-- .0=EB<40 -.4.;.0 B.-<
<G<4./.E4HC.=4 4 @<;.0-=K.<.;CE40-.0@<-0/
B=BC.<5=E/C 4B=B.5G.==B/EB<;CHC /
/EGG=-B.0
>@BC.A=K.-45.4B<40;CHC /-.4=;4.0</BC.0.G=/B=-@
=BC. <H-.0 ;=-0#E/<4<A &4=&5 B?E-EA D)-<//&5=; 4A
;=-0F=4.=BC.BC-..5>.5/=BC. C 4B= <BC .
K/B.0 BE4.NG.HB.0@>EB;.-.;. -.H. K.0>@BC./5G.&
5 40.0<40 5=0./B&5<44.-.0G- ./B/;C=<4/;.-.0 /EHC
ME./B=4/</;.GEB<40A<K.E/<;-BB.40./H-GB=4=BC.
B.5G. ./B==0<A< 4 4 <4 <4H .4BG<-L=5<A4 H.4B
=0B-../;BC /.K.-<</C-4./<40;BC <4B.-4/=-ACB&
G <-/44E5.-<>.<40>.=-.<A<B.;<@CE4A L.BC=/.
<B /.;BC ;CB.K. / .-.C=;.K.-BC.K. /;.-.
BC-..4 4E5>.-/0.>@/0.<40;.-.==G.0<G<-B 4BC.
5 00 .B=<H B<B.BC.K.;4A=BC. 4B.-=->E 0 4A/
C.-.;.-.BC.G A- 5/L4.. 4A<40/BB 4A</<B /.-/B
;</C 4ABC.C<40/<40BC-=;4A 0=;4BC.-H=4/>.=-.
EBB.-4ABC.->-.G-<@.-/<40 .B E/C=G.0.K/4ABC.-
G-=GC.H./=A==0 C/B.5G.==B/EB</K.-@<4H .4B
C<K 4A>..4 =E40.0=-BC.GE-G=/.=-.H. K 4ABC./<H-.0
/;=-0 4BC./.H=40H.4BE-@<B.- C- /B>@BC./ /B.-=BC.
C.-=H <5<B=&!<L. <B.-C. C<0 5<0.<;/EHH.// E;<-
<A< 4/BBC..</B.-4/<K<A./>@<0=BC./;=-0

C.<HH=E4B=BC./;=-0A K.4B=5=<BBC.B.5G.;</
5E/B <05 B<;/E H .4B@H .<-=4.>. 4AB=BC. . HHB
BC<BBC./<H-.0;.<G=4C<0=- A 4<@>. =4A.0B=BC./E4&

<G<4./.A.40/-.A<-0 4A BC.C /B=-@ = BC. ; .<G=4(<40 BC=EAC C /< E/ =4/ 4 H=44.HB =4 ; BC C / /E>J.HB B= BC. 5@BC= =A@ = C / H=E4B-@ 5<@ G.-C<G/ G-=K=L. < /5 . /B BC.@ <-. ; =-BC@ = 4=B. </ >. 4A BC. ; =-0/ = <4 <EBC=- ; C= / A.4.-< @ C. 0 B= >. < C AC <EBC=- B@ =4 BC. 5<BB.- = ; C HC C. B-.<B/ C. B-<4/ <B =4 = BC / /L.BHC -.<0/ </ = = ; /1 W ; . /.<-HC =EB 4 >@A=4. 0<@/ BC. =- A 4 = BC. / ; =-0 ; . 40 BC<B =E- H=E4B-@ .NH. .0 ><->< <4 =H< B ./ 4 -.A<-0 B= 5.B< 4 BC. = 0.4 B 5./ = BC. 0 K 4. G.- =0* ; C.4 ?<4<A <40 ?<4<5 &4=&5 L=B= /B<40 4A EG=4 BC. =<B 4A >- 0A. = C.<K.4 BC-E/B 0= ; 4 BC. - A BB.- 4A > <0. <40 G-=>.0 BC. > E. =H.<4 BC. 0-=G/ -=5 B/ G= 4B H=4A.< .0 <40 C<-0.4.0 <40 >.H<5. <4 / <40 < B.- ; C HC BC. 0. B ./ H-.<B.0 /.K.-< =BC.- / <40/ C./. .K.4BE< @ >.H<5. < <-A. H=E4B-@ H=5G=/.0 = . ACB / <40/ <40 <5=4A/B BC. 5<4@ 4<5./ = BC / H=E4B-@ BC.@ /B@ .0 B ==BC. W <40 = 5<4@ > <0./3 4 B/ .<- @ 0<@/ BC.-. .N /B.0 BC. 0 K 4. / ; =-0/ =&4 A - <40 <&4 A - C.4 B== ; C.4 E/<4==& 4=&5 L=B= /5=B. BC. . ACB&H < ; .0 A-.<B 0-<A=4 <40 /B-EHL C 5 =4 BC. B< BC. / ; =-0 = BC. 0. B@ >.H<5. / ACB @ 4 HL.0 <40 -=5 BC. 4/ 0. = BC. B< C. 0-. ; =EB < / 4A . > <0. W C /"3 /< 0 C. W / < 5<-K. =E/ / ; =-0"3 <40 C. H<E/.0 B B= >. G-./.4B.0 B= .4/C=&!< &J 4 C / ; </ /B@ .0 BC. W ; =-0 = BC. E/B.- 4A =E0/ = .<K.4"3 <40 < /= BC. W)-<//&5=; 4A ; =-0"3 C=E 0 4=B BC / >. /< 0 B= >. BC. H=5 5.4H.5.4B = N 4A BC. 0<B./ = / ; =-0/ V C<B W ; =-0 = BC. E/B.- 4A =E0/ 3 ; </ 5<0. =4. = BC. W C-.. 0 K 4. G-.H =E/ BC 4A/ 3 BC. /.< / ; =-0 <40 5 --=- C. 0 >@ BC. L<0=/F B C</ C<0 4= .ME< 4 BC / H=E4B-@ <40 >. 4A BC. A A<4B H ; .<G=4 BC<B ; <BHC./ =K.- B B / < BC 4A = A-.<B 0-.<0 .K.4 B= /G.<L = = ; ; C.4 =E- H=E4B-@ C<0 <-- K.0 <B BC. C.<K.4 @ -E . = EJ 4& .44= BC. B.4BC = BC. 5=-B< .5G.-=-/ C. .<-.0 B= 0 ; . 4 BC. /<5. G< <H. ; BC BC. W ! K 4. G-.H =E/ BC 4A/"3 <40 /= C. H<E/.0 < G.-/=4 H< .0 5<LE4 < 5<4 = BC. 0.G<-B5.4B = ' 0< 4 BC. G-=K 4H. = <5<B= < <-& -.5=K.0 0./H.40<4B = .&C B=B/E&)<5 B= =-A. <4 5 B<I B =4 = BC. / ; =-0 (<40 </ =- BC. W E/B.- 4A =E0/"3 BC<B

C<0' 0./H.40.0' -=5' BC.' 0 K 4.' <A."' C.' ;</' G .</.0' B=' = .-' B' EG' B=' BC.' /C- 4.' = ' .4/C=&! < &J 4 ' ' 40.-' BC.' C.<K.4 @' -E .' = 'W#. L=& .44="' <5<B=&! <L.&4=&5 L=B="' <B' BC0' B 5.' = ' C /' .NG.0 B =4' <A< 4/B' BC.' .</B"' ; .4B' B=' G<@' -.K.-.4H.' <B' BC.' /C- 4./' = ' /.' /' <E4B"' < 4<B=' 5.&4=&5 L=B="' ;</' BC.' -./ 0.4B' = ' BC.' /C- 4.' <B' BC<B' G.- =0"' <40' /C.' >./=EACB' BC<B' BC.' 0 K 4.' / ; =-0' = ' BC.' W E/B.- 4A' =E0/'3 5 ACB' >.' C<40.0' 0= ; 4' B=' C 5' -=5' BC.' /C- 4."' <40' /=' A<K.' B' =K.-' B=' <5<B=&! <L.&4=&5 L=B="' B=A.BC.-' ; BC' <' B 40.-' H</.' <BB<HC.0' C /' /' /< 0' B=' C<K.'>..4' BC.'=- A 4' = ' BC.' HE/B=5' = ' </B.4 4A' <' HC<-5' H</.' B=' <' / ; =-0' </' <' AE<-0 <4' =-' HC 0-.4' <5<B=&! <L0&4=&5 L=B="' C<K 4A' <HH=5G /C.0' BC.' /E>JEA<B =4' = ' BC.' H</B"' = .-.0' EG' BC.' / ; =-0' <B' B/EB<"' 4' BC.' G-=K 4H.' = ' ; <- ' ' G' B=' BC.' G-./.4B' 0<@"' BC.' K -BE.' = ' BC /' / ; =-0"' G.-5<4.4B' <40' 5 5 EB<> .' .K.4' E4B=' BC.' .40' = ' 5@- <0/' = ' <A./"' /' BC.' AE<-0 <4' = ' =E-' H=E4B-@' <40' =E-' C=5./"' <40' BC.' G-=B.HB=-' = ' =E-' = ; 4' /. K./' 4' 4=' ; <@' H<4' B' >.' E @' 0./H- >.0' >@' BC.' G.4' C.' /.H=40' WG-.H =E/' / ; =-0'3 ; </' >E- .0' 4' BC.' ; ./B.-4' /.</' <B' BC.' 0.<BC' = ' 4B=LE& .44=' D ' ! F R

C /' 5<@' 4=B' >.' <4' E4/E B<> .' G <H.' B=' /G.<L' = ' BC.' H=4I / 0.-<B =4' ; C HC' BC.' / ; =-0' C</' -.H. K.0' 4' <G<4 ' . 4A' =4.' = ' BC.' BC-..' 4/ A4 <' = ' BC.' 0 K 4.' <EBC=- B@' = ' BC.' L<0=/"' B' >.H<5.' B=' BC.' 5 B<-@' H </' <' /@5>=' <B' =4H.' = ' BC. -' =@< B@' <40' BC. -' G- 0.' Q C.- /C.0' >@' BC.' $* ' </' < 5=/B' G<-B' = ' C /' = ; 4' /. "' <40' H=4/ 0.-.0' >@' BC.' H=5 5=4' G.=G .' </' BC. -' G-=B.HB=-' <A< 4/B' K = .4H."' ; C<B' ; =40.-"R' /<@/' -' H <BHC ."' %BC<B' ; .' /C=E 0' 40' B' /G=L.4' = ' 4' A = ; 4A' B.-5/' >@' <G<4./.' ; - B.-/' </' WBC.' G-.H =E/' G=/I /.// =4' = ' =-0' <40' K<//<' -=5' B 5./' = 0.-' BC<4' BC.' 0 K 4.' G.- =0"3 =-' </' WBC.' K 4A' /=E ' = ' BC.' $* ,WH C.' <-B' = ' 0.B.-5 4 4A' BC.' 5<L.-' <40' 0<B.' = ' <' / ; =-0&> <0.' >.H<5.' =4.' = ' 5=-.' BC<4' =-0 4<-@' 4B.-./B"' <40' 5<4@' B-.<B /./' C<K.' >..4' ; - BB.4' EG=4' B' C=/.' 5<0.' >. =-.' 7 P' ' <-.' H< .0' = 0' / ; =-0/(BC=/.' 5<0.' / 4H.' 4. ;' / ; =-0/

C.' = 0' =-5' = ' <G<4./.' / ; =-0"' =-' ' ;</' <' =4A"' /B-< ACB(' 0=E> .&.0A.0' ; .<G=4"' ; C .' BC.' 5=0.-4' / ; =-0

2,

ʻ C</ʻ <ʻ / 4A* .ʻ .0A.'ʻ <40ʻ /ʻ / ACB @ʻ HE-K.0'ʻ ./G.H < @ʻ B= ; <-0/ʻ BC.ʻ G= 4Bʻ ʻ /C=-Bʻ / ; =-0ʻ =-ʻ 0 -L'ʻ H< .0ʻ BC.ʻ A ʻ : ʻ ; </ʻ E4B ʻ <B. @ʻ ; =-4ʻ ; BCʻ BC.ʻ ʻ </ʻ <ʻ / A4ʻ = ʻ 5 B<-@ʻ =-ʻ A.4B .ʻ > -BC ʻ ʻ /C=-Bʻ 0 -L9ʻ ; BC=EBʻ <ʻ AE<-0'ʻ L4= ; 4ʻ</ʻ<4ʻ * ʻ ; </ʻ ; =-4ʻ C@ʻ 0=HB=-/'ʻ <-B /B/'ʻ <40ʻ G.-/=4/ʻ = ʻ BC.ʻ =E-BCʻ <40ʻ BCʻ -<4Lʻ B .BB=/ʻ <ʻ ==Bʻ =4Aʻ =-ʻ .//'ʻ L4= ; 4ʻ </ʻ ʻ <40ʻ $ $ ʻ " ʻ ; .-.ʻ /=5 .B 5 ./ʻ ; =-4ʻ >@ʻ 4=> ./'ʻ = H.-/'ʻ <40ʻ A.4B .5 .4ʻ 4ʻ G <H.ʻ = ʻ BC.ʻ 5=-.ʻ HE5>-=E/ʻ A " : ʻ C.ʻ ʻ ; </ʻ <ʻ <-A.ʻ B ; =&C<40.0ʻ ; <-&/ ; =-0'ʻ E/E< @ʻ >=-4.ʻ >@ʻ <ʻ / ; =-0&>.<-.-ʻ ; C.4ʻ 4=Bʻ 4ʻ <HBE< ʻ E/. ʻ ʻ / ; =-0ʻ = ʻ 5 .0 E5ʻ / ?.'ʻ ; =-4ʻ ; C.4ʻ CE4B 4Aʻ =-ʻ -<5> 4Aʻ 4ʻ BC.ʻ H=E4B-@'ʻ ; </ʻ H< .0ʻ <ʻ) ʻ 4=BC.-ʻ L 40'ʻ ʻ = ʻ ; C HCʻ BC.-.ʻ ; .-.ʻ /.K.-<ʻ /B@ ./'ʻ ; </ʻ CE4Aʻ >@ʻ B ; =ʻ / 4A/ʻ -=5ʻ BC.ʻ A -0 .

C.ʻ 5<L 4Aʻ = ʻ / ; =-0/ʻ ; </ʻ H=4/ 0.-.0ʻ <4ʻ C=4=E-<> .ʻ G-=I .// =4'ʻ <40ʻ 5 .4ʻ = ʻ A==0ʻ <5 @ʻ ; .-.ʻ B-< 4 .0ʻ B=ʻ B ʻ Bʻ /ʻ 5 .4B =4 .0ʻ = ʻ BC.ʻ .5G.-=-ʻ) =B<><ʻ D SFʻ BC<Bʻ 4=Bʻ =4 @ʻ 0 0ʻ C.ʻ Qʻ A K.ʻ 0 -.HB =4/ʻ B=ʻ BC.ʻ 4=B.0ʻ /5 BC/ʻ = ʻ BC.ʻ K<- =E/ʻ G-=K 4H./ʻ <40ʻ 5<L.ʻ BC.5ʻ =-A.'ʻ >EBʻ C.ʻ < /=ʻ ; =-L.0ʻ ; BCʻ C /ʻ = ; 4ʻ C<40ʻ R (<B.-ʻ 4=B.0ʻ /5 BC/'ʻ <HH=-0 4Aʻ B=ʻ BC. -ʻ .K 0.4H.'ʻ -.H. K.0ʻ C=4=-<-@ʻ -<4Lʻ -=5ʻ BC.ʻ H=E-Bʻ C.ʻ 0.H=-<B =4ʻ <40ʻ 5=E4B 4Aʻ = ʻ / ; =-0/ʻ .5>-<H.0ʻ <ʻ <-A.ʻ <40ʻ 0 K.-/ .0ʻ . 0ʻ = ʻ <-B'ʻ ; C HCʻ C</ʻ >..4ʻ HE B K<B.0ʻ ; BCʻ 0 /B 4HB =4ʻ =-ʻ H.4BE- ./ʻ >@ʻ /=5.ʻ <5 ./ʻ ' G=4ʻ BC.ʻ C Bʻ <-.ʻ E/E< @ʻ =E-ʻ C AC @ʻ =-4<5 .4B<ʻ 5 .B< Hʻ G .H./ : BC.ʻ .--E .ʻ =4ʻ BC.ʻ C.<0ʻ = ʻ BC.ʻ C B'ʻ BC.ʻ - 4Aʻ 4 .NBʻ B=ʻ BC.ʻ AE<-0'ʻ <40ʻ B ; =ʻ G .H./ʻ H=K.- 4Aʻ BC.ʻ - K.Bʻ * ./'ʻ ; C HCʻ <BB.-ʻ <-.ʻ G<-B @ʻ H=K.-.0ʻ >@ʻ BC.ʻ / Lʻ > 40 4Aʻ = ʻ BC.ʻ C B ʻ C.ʻ .--E .ʻ <40ʻ - 4Aʻ <-.ʻ >.<EB E @ʻ 5<0.'ʻ <40ʻ =-4<5 .4B.0ʻ ; BCʻ 0-<A=4/ʻ =-ʻ =BC.-ʻ AE-./ʻ C<40I /=5. @ʻ ; -=EACBʻ 4ʻ -. .'ʻ >. 4Aʻ = B.4ʻ = ʻ /= 0ʻ A= 0'ʻ BC.ʻ =BC.-ʻ B ; =ʻ G .H./ʻ -./.5> 4Aʻ BC./.ʻ =-4<5 .4B/ ʻ C.ʻ AE<-0ʻ /ʻ = B.4ʻ <ʻ Qʻ ; =40.- Eʻ G .H.ʻ = ʻ ; =-L5<4/C Gʻ 4ʻ 5 .B< "R E/E< @ʻ C<40/=5. @ʻ <40ʻ 5=-.ʻ =-ʻ .//ʻ ME< 4B @ʻ =-4<5 .4B.0'ʻ <40ʻ = B.4ʻ Qʻ ; =-L.0ʻ EJFʻ ; BCʻ A= 0'ʻ / K.-'ʻ .BH 'ʻ 4B=ʻ <ʻ 0.B< .0ʻ G HBE-.ʻ Rʻ = ʻ ><BB ./'ʻ CE4B/'ʻ =-ʻ 4<BE-<ʻ /H.4.-@ʻ $</// 4Aʻ BC-=EACʻ BC.ʻ AE<-0'ʻ <40ʻ /C.<BC 4Aʻ B/. ʻ 4ʻ BC.ʻ /H<>><-0'ʻ /ʻ <ʻ 4<--= ;ʻ L4 .ʻ =-ʻ /B .BB=ʻ <>=EBʻ . ACBʻ 4HC./ʻ =4A'ʻ .K.4ʻ BC.ʻ > <0.ʻ = ʻ ; C HCʻ /ʻ = B.4ʻ >.<EB E @ʻ /C<G.0ʻ <40ʻ HC</.0'ʻ ; C .ʻ BC.

$ > X A > -.) - B D -B 2,

.NG=/.0 C<40 . / - HC @ =-4<5 .4B.0 ; BC A= 0 AE-./ B= 5<BHC BC=/. = BC. C B 9

C. 4<5 . = BC. 5<L.- = BC. / ; =-0 ; BC BC. 0<B. >. 4A .4A-<K.0 =4 =4. / 0. = BC. C B EG=4 BC. =BC.- / 0. ; </ /=5 .B 5 ./ 4/H- >.0 < 5 =BB= =- < K.-/. = G=. B-@(/EHC </

G 0* *F / %;0(F(+ >(0*-)*/ -/2 *- (0 (0-(3 -/ /**2 &*- +0 1- *" -(0 " =*:((0 " ' /;:* =:-2*%H

=-"

G /*F &-(* " /(0* 0-/2 " &0*-)*/ =%(-' '8 :&%: &;0(* 2 *" / (3**(+ (0 2*-(0%H

G / /*F :-'(2-7 " /*F' '+ 2 =*1 3*" (0* +*-:(0 & /*F' . '(* (7 FE

Ž ;=-0/ = B.4 -.H. K.0 /G.H H 4<5 ./" <40 BC. / ;=-0/ = A-.<B 5 .4 C<K. >..4 C<40.0 0=;4 </ C. - ==5/ . /<;" </ . /.;C.-. /B<B.0" BC. / ;=-0/ = =- B=5= 4 BC. B. 5G . = <HC 5<4 <B #<5<LE-< 4 <4 <GG.40 N B= BC / K= E5. C<K. <00.0 /=5. 4=B./ =4 . .>-<B.0 ;=-0/ <40 BC. - 5<L.-/

C. <4A . <B ; C HC BC. / ;=-0 ; </ H<-- .0 4 BC. >. B ; </ <4 40 H<B =4 = -<4L" <40 BC. .B ME.BB. = BC. / ;=-0 ; </ >=BC H=5G .N <40 /= .54 Q =H </C BC. /C.<BC = =4.3/ / ;=-0 <A< 4/B BC<B >. =4A 4A B= <4=BC.- G.-/=4 ; </ C. 0 B= >. < A-<K. >-.<HC = .B ME.BB.(B= BE-4 BC. /C.<BC 4 BC. >. B" </ BC=EAC <>=EB B= 0-< ; " ; </ B<4B<5=E4B B= < HC< .4A.(; C . B= <@ =4.3/ ; .<G=4 =4 BC. ==- = < -==5" < 0 B= L HL BC. AE<-0 ; BC BC. ==B" 4 BC. 0 -.HB =4 = <4@ =4. . /." ; </ < 0.<0 @ 4/E B" BC<B A.4.-< @ -./E B.0 4 < H=5><B B= BC. 0.<BC B ; </ 4=B .K.4 BC=EACB G= B. B= 0-< ; < / ;=-0 -=5 B/ /C.<BC ; BC=EB >.AA 4A BC. G.-5 // =4 = <4@ =BC.- G.-/=4/ G-./.4B 33

9 Q C. /5< L4 . ; </ E/.0 B= BC-= ; <B <4 .4.5@" BC. /L.; .-/ B= EBB<=C BC. C.<0/ = / < 4 .4.5 ./ B= BC. A -0 . R : % B H= - H <BHC =3/ G<G.- >. =-. ME=B.0 (< /= - $ =EE0=/3/ =B./ - $ =E40./ 9<00/ =BC.- G<-B HE <-/ = / ;=-0 .B ME.BB.1 = .4B.- < - .40 / C=E/. ; BC=EB .<K 4A BC. / ;=-0 =EB/ 0." < >-.<HC = - .40I /C G C=/. ; C=/. G=/ B =4 J4/B B .0 BC. <HH=5G<E 5 .4B = <4 <BBHE0<4B

-=5 BC.^ B/EB< B.5G . =E-) >=-. E/ : G-.I H.0.0 >@ -.G-./.4B<B K./ = BC. H K H <EBC=- B ./ = <A=@< : B= BC<B H. .>-<B.0 H B@ .-. ; . ; .-. B<L.4 B= K.-@ H=5 =-B<> . ME<-B.-/ 4 <4 C=B. DGE-. @ <G<4./.= H=E-/.F <40 < B.-< /C=-B -./B G-=H..0.0 B= E <4 .4A<A.I 5.4B B= 0 4. ; BC BC. A=K.-4 4A <EBC=- B ./Ž= BC. # .4 =-H=E4B@ C. A=K.-4=-C 5/. ; </ <>/.4B >EB C /0.GN B@ <HB.0 </ =E-C=/B <40 G.- =-5.0 BC. = H. .4B -. @ B= =E- /<B / <HB =4 <40 G ./<E-. C. G <H. = BC. ><4ME.B ; </ BC. .NC > B =4 >E 0 4A /. .HB0 /G <@= BC.>.<EB E G=-H. < 4 ; <-. = .B= D ; <- F C<0 >..4 >-=EACB B=A.BC.- B= 4B.-./B E/ C.-. ; </ 5EHC G ./ 4A H= =E- 4A 4 BC. <-B H ./ 0 /G <@.0 ; BC 4. .N<5G ./ = 5=0.-4 Q > E. <40 ; C B. R 4 <A-.<B K<- .B@ = =-5/ 4H E0 4A B.5G .& <4B.-4/ /B-..B <5G/ <-A. 0.H=-<B K. G <ME./ 55.4/. >= ; / <40 K</./ <40 =BC.- K.-@ <-A. .N<5G ./ B=A.BC.- ; BC < HC= H. /.- ./

4K<- <> @ . B BC. / ; =-0 4 > /H <-A. <B BC. .4B-<4H. =- < =4. B ; </ E/E< @ < 0 0= ; 4 <B BC. .4B-<4H. -.5=K.0 4/0. B ; </ 4K<- <> @ 0=4. >@ BC. C=/B3/ /.-K<4B/ <40 BC.4 4=B B=EHC.0 ; BC BC. >-. C<40 >EB ; BC < / L 4<GL 4 L.GB =- BC. GE-I G=/. <40 BC. / ; =-0 ; </ G <H.0 EG=4 < / ; =-0&-<HL 4 BC. G <H. = C=4=E-4.<-B = AE./B <40 B-.<B.0 ; BC < BC. G= B.4.//0E.BB= <4 C=4=E-.0 K / B=- ; C= ; =E 0 -./.4B<0 /H=E-B./@ C. =4A / ; =-0 D B ; = ; =-. ; =-4F ; </ ; BCO-< ; 4 /C.<BC.0 -=5 BC. A -0 . ; BC BC. - ACB C<40 <40 G <H.0 =4 BC. - ACB / 0. : <4 40 H<I B =4 = - .40/C G </ B H=E 0 4=B >. 0-< ; 4 <40 E/.0 BCE/ : 4.K.- >@ BC. . B C<40 =- G <H.0 =4 B . B / 0. .NH.GB ; C.4 4 55.0 <B.0<4A.- = <BB<HL = .NC > B <4<L.0 ; .<G=4 ; </ <- A-=// 4/E B E4 .// ; C.4 <A.4B .5<4 ; /C.0 B= /C= ; C / - .40/ / H= .HB =4 =.NG-.// < ; /C B= /.. < / ; =-0 ; </ 4=B E/E< E4 .// ; C.4 < > <0. = A-.<B K< E. ; </ 4 E./B =4 ; C.4 <-.ME./B B= >. /C= ; 4 B ; =E 0 >. < H=5G 5.4B BC. C<GG@ G=//.//=- <GG-.H <B.0 C. / ; =-0 ; =E 0 BC.4 >= C<40.0 ; BJ BC. ><HL B= ; <-0/ BC. AE./B BC. SJOA. BE-4.0 B= ; <-0/ BC. = ; 4.- <40 BC. C B B= BC. . B BC. AE./B ; -<GG 4A BC. C B . BC.- 4 BC. BB . / L 4<GL 4 < ; <@/ H<-- .0 >@ A.4B .5.4 4 BC. - G=HL.B >==L/ =- 4 < /C. B = H .<4 G<G.- C. ; .<G=4 ; </ 0 < ; 4 -=5 BC= /H<>><-0 <40 <05 -.0 4HC >@ 4HC >EB 4=B B= BC. E .4ABC E4 .// BC= = ; 4.- G-.//.0 C / AE./B B= 0= /= ; C.4 ; BC 5EHC <G= =A@ BC. / ; =-0 ; </ .4B -. @ 0-< ; 4 <40 C. 0 < ; <@ -=5 BC. =BC.-G.-/=4/J-./.4B B.- >. 4A <05 -.0 B ; =E 0 B.GG<-.4B @ 4.H.//<-@ >. H<-. E @ ; G.0 ; BC < /G.H < H =BC /C.<BC.0 <40 -.BE-4.0 B= BC. = ; 4.- </ >. =-. C. /C=-B / ; =-0 ; </ -.B< 4.0 4 BC. A -0 . >EB <B <-G-= =4A.0 K / B>=BC C=/B <40 AE./B < 0 B </ 0. =5.4 0 0 4=B ; .<- / ; =-0 / 4 BC. - A -0 . >@ - ACB =- </C =4 < BC=EAC ; C.4 B-<K. 4A < =4. B ; </ = B.4 0=4. 4 BC. =HH</ =4 = B -=/ BC= <0 ./ = BC= G< <H. /=5.B 5./ G <H.0 / 0.&<-5 / 4 B . - A -0 ./

A Dancing Girl.

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H4 $ ' 6 0' > -. ')' - B' D -B' 2,P

= ' <-B H ./' = ' <' 5< .-' L 40'' <40' = ' GE-. @' <G<4./.' 0./ AG'
C.' .NC > B =4' H=5G-/.0' /=5.' -.5<-L<> .' .N<5G ./' = '
5=0.-4' G=-H. < 4'' 5<0.' 4' 5 B<B =4' = ' BC.' = 0' C 4<' ;<-.'
;C HC' 4=;' /' 0..5.0' = ' /=' 5EHC' K< E.(<40' < /=' .N<5G ./'
= ' K</./' ; BC' =-4<5.4B/' 4' -. . '' !-./0.4' </C =4'' = ' A-.<B'
>.<EB@' <40' 5.-B' BC=EAC' BC./.' G=-H. < 4' 5<4E <HBE-./'
<-.' 5< 4 @' BC.' G-=0EHB =4/' = ' .B='' ;C HC' /' <>=EB' B.4' 5 ./'
-=5' <A=@<'' BC.' <-B /B/' .5G =@.0' EG=4' BC.5' <-.' HC . @'
-./0.4B' 4' <A=@<' B/. (' <40' BC.' ;<-' 0 /B- HB' A.4.-< @'
/' <5=E/' =-' B/' G=-H. < 4' G-=0EHB =4/' C.-.' ;</' < /='
.NC > B.0' <' H=5G .B.' /.B' = ' 5=0. /'' /C=; 4A' BC.' <GG <4H./'
E/.0' 4' BC.' 5<4E <HBE-.' -=5' - H.' = ' BC.' 4<B =4<' ; 4.' =-'
/G - B'' ' BC.' G-=H.//./' >. 4A' .NG < 4.0' B=' E/' >@' <' 5<4EI
<HBE-.-' B' BC.'><4ME.B'/.K.-<'='BC.'= H</'<40' 5.-HC<4B/'
= ' BC.' H B@' ; .-.' G-./.4B'' <40' A<K.' E/' <' H=-0 <' ; . H=5. ' 4'
BC.' H=E-/.' = ' BC.' .K.4 4A' BC.-.' ;</' 4<B =4<' 5E/ H' <40'
0<4H 4A'' <40' <B.-' =4' BC.' K H.&A=K.-4=-' <40' /=5.' = ' BC.'
=BC.-' = H.-/' <40' -./0.4B/' = ' BC.' H B@' ; .-.' /=' L 40' </' B='
5<L.' =-' 5.'' = C<40'' <B' 5@' -.ME./B'' /=5.' = ' BC=/.' -=EAC'
>EB' K.-@' . .HB K.' 0-<; 4A/' <40' ; - B 4A/' ; C HC'' 5=-.' BC<4'
<4@BC 4A' ./.'' .NC > B' BC.' 4<B =4<' /B@ .' >=BC' = '0-<; 4A' <40'
= ' ; - B 4A'' <40' BC.' H =/.' -. <B =4/C G' = ' BC.' =4.' B=' BC.' =BC.-'
4' .<K 4A' BC.' .4B.-B< 45.4B' <B' B.4' =3H =HL'' ; .' =E40' 5<4@'
= ' BC.' /C=G/' <40' /B< /' = ' BC.' H B@' /B ' =G.4'' <40' =; 4A'
0=;4' =4' BC./.'' <40' E/'' <40' .K.-@BC 4A'' BC.' * .4B' A =-@' = '
BC.' - / 4A' 5==4

.NB' 0<@ : B' >. 4A' 4' H=4B.5G <B =4' B=' B-<K.' <>=EB' =-B@&'
K.' 5 ./' < =4A' BC.' =L< 0=' =4' BC.' = =; 4A' 0<@' DBC.' /B<B.'
= ' 5@' 5E/HE <-' <40' 4.-K=E/' /@/B.5/'' ;C HC' ; .-.' <-' -=5'
/<B / <HB=-@' </' @.B'' G.-5 BB 4AF : ; .' 5 B.0' =E-' .4B.-G-./.'
B=' <' K / B' B=' BC.' <5=E/' H</B .'' BC.' 4./B' = ' BC=/.' 4=;'
-.5< 4 4A' 4' <G<4'' <40' B=' <4' 4/G.HB =4' = ' BC.' 5 B<-@'
./B<> /C5.4B/' 4=;' .N /B 4A' BC.-.' C.' H</B .' G-=K.0' B=' >.'
.NB-.5. @' 4B.-./B 4A'' </' B' H=4B< 4.0'' 4' <' < -' /B<B.' = ' G 3.&
/.-K<B =4'' 4=B' =4 @' BC.' <-A./B' B=; .-' =-' H</B .' G-=G.-' /B '
-.5< 4 4A' 4' <G<4'' CEB' < /=' <' G< <H.' >E B' <40' 0.H=-<B.0' =-'
BC.' <HH=55=0<B =4'' E40.-' BC.' = 0' /@/B.5'' = ' BC.' @H==4'
0E- 4A' C /' K / B/' B=' <A=@<' 4' =L =' BC.' <-A./B' B=; .-' =

BC.' @H==43f' H</B .' C</'6 ; BC' B/' =BC.-' >E 0 4A/'6 H.</.0' B=' .N /B'6 <40' -=5' /< H<' </B .' L.; /.' BC.' A-.<B'B=; .-' C</' 0 /I <GG.<-.0' 4' <A=@<' </B .' BC.' B=; .-/' .N /B' <40' <-.' 4' A==0' H=40 B =4'6 BC.' A-.<B' B=; .-' >. 4A' <' G.HE <- @' 4.' <40' = B@' *.0 H."6 /E-5=E4B.0' ; BC' B; =' <-A.' A BB.- 4A' /C'6 /B<40 4A' *' ..B' 4' C. ACB'6 <40' H=K.-.0' ; BC' G <B./' =' A= 0' 4' ,2' BC.' </B' G=//.//=-' =' BC.' H</B .' G-./.4B.0' BC./.' /C' B=' BC.' L<0=' =-' G-./.-K<B =4' 4' C /' G< <H.' DBC.' A= 0' G <B./' EG=4' BC.5' C<K 4A' H=/B' U7 F'6 <40' =40' =' BC.5' ;</' < B.-I ;<-0/' /.4B' B=' BC.'% .44<' NC > B =4' 4' B/' G<//<A.'><HL' BC.' K.//.' H=4B< 4 4A' B' ";</' ;-.HL.0' =4' BC.' H=</B' =' <G<4'6 >EB' BC.' B-.</E-.' ;</' < B.-;<-0/' -.H=K.-.0' C.' 4I C<> B<4B/' =' <A=@<' 4=B' E44<BE-< @' 0./-.0' B=' C<K.' BC./.' A= 0.4' /C' -./B=-.0' B=' BC. -' =-5.-' G=/ B =4' </' =-4<5.4B/' =' BC. -' B=; .-' <40' B=; 4'6 <40' C /' 5<J./B@' C<K 4A' <GG-=K.0' =' BC.' -.ME./B'6 BC.@' 4=;'6 B=' E/.' <' =H<' GC-</.'6 Q' ><BC.' BC.' H B@' 4' BC. -' >- ACB4.// R' B' /' -. <B.0' BC<B' =4' =4.' =HH</ =4'6 5<4@' @.<-/' <A='6 <4' <BB.5 GB' ;</' 5<0.' B=' =>B< 4' G=//.// =4' =' BC.' A= 0' /H< ./' =' BC./.' <.- <' H-.<BE-./' >@' <' 5<4' ;C=' -< /.0' C 5/. 'EG' B=' BC.5' =-' BC.' GE-G=/.'>@' 5.<4/' =' <4' 55.4/.' L B.' 4' <' A< .' =' ; 40' <B' 4 ACB(C.' ;</'6 C=; .K.-'6 0.B.HB.0'6 <40' >= .0' 4' =' =-' C /' G< 4/' B' /' E-BC.-' /< 0' BC<B' BC.' 5<L 4A' =' K.-@' <-A.' L B./' ;</' < B.-;<-0/' G-=C > B.0' BC-=EACI =EB' BC.' 0 /B- HB' =' ;<-' </' <' G-=B.HB =4' B=' BC./.' K< E<> .' =>J.HB/

C /' H</B .'6 <HH=-0 4A' B=' BC.' 4 =-5<B =4' A K.4' 5.' =G' BC.' /G=B'6 ;</' >E B' <>=EB' B; =' CE40-.0' <40' /.K.4B@' @.<-/' <A=' >@' BC.' /.K.4BC' /=4' =' BC.' A-.<B' C=AE4' @.@</E' D -/B' =' BC.' =LEA<;</F'6 5=-.' BC<4' B; .4B@' !< 5 =/' H=4B- >EB 4A' B=; <-0/' B/' H=/B'6 </' <' H=5G 5.4B' G< 0' B=' BC.' C=AE4' <40' C /' <5 @ 9

g C.' = =; 4A' <HH=E4B' =' BC.' >E 0 4A'=' <A=@<' </B .' /'A K.4'>@' -' ' ' ! N=4'6 4' <' G<G.-'-.40'>.I =-.' BC.' / <B H' =H .B@' =' <G<4'(Q' B' / :' >E B' 4' BC.' @.<-' ' ' !' =-' =/C 4<;='6 BC.' -/B' G- 4H.'=' 'BC.' =LEA4;<' C=E/.' 4' ;<-'6 <40' BC.' /.K.4BC' /=4' =' @ @4/E' =-' /=5.' B;=' H.4BE- ./' >. =-.' BC<B' 0<B.' BC.-. C<0' >..4' <' H</B .' =' ;<-'6 / BE<B.0' <B'# @=/E'6 <' .;'5 ./' ;./B'=' <A=@<' C /' ;</' =E40.0' >@' <' !< 5 =' 4<5.0' C >4' <L<B/E4*'6 <' 4.<-' -. <B K.' =' BC.' C=AE4' /C L<AE'6 <40' -.5<4.0' 4' BC.' G= //.// =4' =' C /' 0./H.40<4B/' E4B 'BC.' .40' ='BC.'/ NB..4BC'H.4BE-@'6 ;C.4' B' ;</' /. ?.0' >@' B< =>E <A<'6 <40' 5<0.' >@' BC<B' <5=E/' ;<-- =-' BC.

C.' 5< 4' B= ; .-' ; </' 0./ A4.0' >@' BC.' A.4.-< ' #<B='# @=5</<'' ; C='' <HH=-0 4A' B=' - ') - /' DW L<0=3/' 5 G - .F'' ; </' < K.-@' &H=40 B =4.0' . =;' 40..0'' ; C=' ; =-.' <' C. 5 .B' BC-..' ..B' C AC'' ME<--. .0' ; BC' C /' >-=BC.-' = H.-/'' 4/H- >.0' G-<@.-/' =4' C /' ><44.-/'' >.H<5.' <' 5 .5>.-' = ' BC.' HC.-.4' /.HB'' <40' Q'< > ==0@' G.-/.HEB=-' = ' BC.' C- /B <4/' 4' BC.' / NB..4BC' H.4BE-@ R' .' <GG.<-/'' C= ; .K.-'' B=' C<K.' >..4' < /L E' <-HC B.HB' = ' H</B ./'' ' =4.' 5<@' 4 .-' BC /' -=5' BC.' /B@ .' <40' H=4IB-EHB =4' = ' C /' A-.<B' B= ; .-' <B' <A=@<'' <40' -=5' BC.' <HB' BC<B' C.' 0./ A4.0' < /=' BC.' H</B .' = ' #E5<5=B='' 4' # E/C E'' ; C HC' ' C<K.' /..4' 0./H- >.0' </' <4=BC.-' = ' BC.' 4./B' 4' <G<4'' .' /' 4= ;' <' 0. .0' G.-/=4<A.'' <40' /=5.' = ' 5@' <G<4./.' - .40/' B=' ; C=5' ' C<K.' /G=L.4' -./G.HB 4A' C 5' </IE-.' 5.' BC<B' C /' H= .<AE.' 4' BC.' #=-.<4' .NG.0 B =4'' ; BC' ; C=5' C.' -. E/.0' B=' <HB' H=-0 < @'' ; </' -.< @' <' 5=/B' =>J.HI B =4<> .' 40 K 0E< (BC<B' BC.' /=&H< .0' C- /B <4/' ; C=5' #<B=' # @=5</<' /' /< 0' B=' C<K.' G.-/.HEB.0' ; .-.' = ' <' ><0' /=-B(<40' BC<B' C.' /' ; =-BC @' ; =-/C GG.0' </' <' A-.<B' <40' A==0' G<B- =B'' <40' 4=;' =4.' = ' BC.' A=0/' = ' <G<4'' >@' <' K.-@' <-A.' 4E5>.-' = ' BC.' <G<4./.' G.=G.' B' /' 4=B' B=' >.' .NG.HB.0' BC<B' ' /C=E 0' 0.H 0.' >.B ; ..4' BC./.' =GG=/ B.' K . ;/' = ' C /' HC<-<HB.-' 4' < 5=-.' A=// G' <>=EB' <' B= ; .-' = ' C /' 0./ A4(/=' ' ; ' G</' =4' B=' /<@' BC<B' <A=@<' </B .' /B<40/' EG=4' <>=EB' =E-' CE40-.0' <H-./' = ' A-=E40(BC<B' B' /' G-=B.HB.0' >@' B ; =' 5=<B/'' ; BC' BC.' G= ; .-' = ' 4E40<B 4A' BC.' H=E4B-@' <B' BC.' ><HL' = ' B'' ; C.-.' B/' 0. .4H.

1*/(*' & 3' +0 10'(' 8** ' /' 10*18' (0*' /* ;0= % /;' .) /1*' ' 3*' 7(/ ''-&(* +- 2' ' 8%;-+-' :727/'%' 0-) /;' '%))*2' -::' 0 '')-:' ' *1 ;C / '*2' (0-(' 0 '' -%(0 (7' + %:2' = ' 3 *' '*1% *' &' +- ':7 /;'-'' ('2 2' -(' (0*'5%/1(/' &'(0*'(+ ' ; *-('0 ;0C + -7'' =*(+**/' < 7 (' -/2' *2 ' +* *' 2*&*/2*2' =7' -' '(/;' 1-'(:* ' *' + %:2' (0%'' 0-)*' 3 *' 1 3 3 -/2')* ' (0*' +*'(* /' - / ' ' ' 3 *' &' +0 3' 0-2' / (' 7*(' -18/ +:*2;*2' 0 '' ' + -' 7 ' 0*' 1-'::*' -(' < 7 '%' + -'' & %/2' B% (*' 9 /1 1%(' /' -11 %/(' = (0' &' ('' : 3 (*2' ' A ' -/2' &' (0*' '0-:: + /*' '' &' ('' 3 -('N' ' '0 ' *' :)*2' (' =% :2' -

/*+' -/2' 3 *' & 3 2-=:*' /*' -/2' & >*2'%. /'(0*' . *'*/(' ' (*' -(' -; 7-' -'' (0*' 3 '(' -2)-/(-;* %'' & '0 '' .% C . '*' *)* -:' % 3 ' (0*' . /1 .-:' &' +0 3' + * *' 4%8/': 3 -' -'-(' . /1*' &' 8 ' < -(' < 7 3 -'-' . /1*' &' ; ' -/2' <% 2-' -;-3%'-' . /1*' &' #0 8%A*/' + * *' -&(* ' ' 3 *' (0 *-(*/ /;' . *)- :*2'%. /'('%/2* C (-8*' (0*' (-'8' 0*' 3 -(* -:'' &' (0*' :2' & (*'' &' < 7 '%' 0*:.*2'('1 3C . '*' (0*' /*+' '(/;0 :2' -/2' (' '' &6-2' (0-(' I ' 3*/' + * *' 35 : 7*2' +2 ' & / '0*2' 0 ' + 8' &' * *1(/' /' -'&*+' + **8' H

/' =>K =E/ @' ; .<L(' BC<B' B' ;</' E4B ' <B. @' BC. 'H</B .' = ' =4.' = ' BC-. .' = ' BC.' 5=/B' G= ; .- E' !< 5 =/' 4' <G<4"' ;C=' </' 5.5>.-/' = 'BC.' @H==43/' <5 @' .4J=@.0' 5<4@' 5G=-B<4B'<40' .NH E/ K.' G- K .A./"' <40' BC<B' < BC=EAC' G<-B' = ' B/' 4H =/E-.' /' 4= ;' E/.0' =-' 5 B<-@' GE-G=/./"' <4=BC.-' G<-B' /' 0.K=B.0' B=' BC.' A-= ; BC' = ' K.A.B<> ./"' ; C HC' /' G-=><> @' <' >.BB.-' E/."' 4' /=5.' -./G.HB/"' BC<4' ;</' .K.-' >. =-.' 5<0.' = ' B ' .' </H.40.0' #<B=3/' B= ; .-' B=' BC.' B=G' ==-"' <40' =>B< 4.0' <4' .NB.4/ K.' K . ;' =K.-' BC.' H B@' <40' B/' /E>E->/"' <4D ' =-' /=5.' 5 ./' = ' -E B E ' A-=E40' <-=E40"' >EB' BC.' <B5=/GC.-.' ;</' 4=B' H .<-' .4=EAC' B=' <05 B' = '<' K . ;' = 'BC.' 5=E4B< 4/' 4' . BC.-'0 -.HB =4 ' B' 5<@' >.' 4B.-./B 4A' B=' 5 .4B =4' BC<B' BC.' G <4' <0=GB.0' 4' BC.' 0./ A4 4A' = ' BC /' B= ; .-' ;</' B=' 5<L.' BC.' <-.<' = 'BC.' = ; ./B' ==-' =4.' BC=E/<40' Q 5<B/"R' BC<B' = ' BC.' 4.NB' ==-' K.' CE40-.0"' BC.' =BC.-/' 0.H-.</ 4A' EG ;<-0/' >@' <' CE40-.0' 5<B/' G.-' ==-"' BC.' EGG.-' >. 4A' = ' =4.' CE40-.0' 5<B/' =4 @' C.' Q' 5<B'R' /' <' -.HB<4A .' = ' <>=EB' BC-..' ..B' >@' / N' ..B"' BC<B' >. 4A' BC.' / ?.' A K.4' B=' BC.' / 4A .' G .H.' = 'BC.' 5<BB 4A' 4' E/.' </' BC.' ==-&H=K.- 4A' BC-=EAC=EB' <G<4"' B *.' / ?./' = ' -==5/' <-.' E/E< @' A K.4' 4' 5<B/' ' 4.' 5=0. ' = 'BC.' A-.<B' B= ; .-"' H=4/B-EHB.0' >. =-.' BC.' B= ; .-' B/. ' ;</' >E B"' <40' BC.-. =-.' 4.<- @' BC-..' CE40-.0' @.<-/' = 0"' ;</' /C= ; 4' B=' E/' 4' BC.' C=AE43/' G< <H."' <40' /' 4' G.- .HB @' A==0' H=40 B =4 ' C.' G< <H.' = 'BC.' @H==4"' BC=EAC' 4B.40.0' =-' =HH</ =4<' =HHEG<I B =4' =4 @"' ;</' = ' <' <-' 5=-.' H=/B @' HC<-<HB.-"' >=BC' 4' B/' H=4/B-EHB =4' <40' 4' B/' 0.H=-<B =4/"' BC<4' BC<B' = ' BC.' L<0=' <B' # =B=' C.' H. 4A/' <-.' G<4. .0' <40' 0.H=-<B.0' ; BC' /=5.' = 'BC.' 5=/B' -. 4.0' <-B /B/3 ; =-L' BC<B' 'C<K.' /..4' 4' <G<4"' ; C .' BC.' H<-K.0' ; =-L' /' <K /C' < L.' 4' B/' <>E40<4H.' <40' B/' >.<EB@' C /' G< <H.' /..5/' B=' E-4 /C' <4' E/B-<B =4' = 'BC.' <HHE-<H@' = ' BC=/.' ; C=' B. ' E/' BC<B' E40.-' BC.' /@/B.5' = ' A=K.-45.4B' ; C HC' BC.' @H==4/' A-<0E< @' >-=EAC B' <>=EB' BC.' L<0="' BC.' B-E.' .5G.-=-"' ;</' L.GB' 4' <' /B<B.' = ' H=5G<-<B K.' ; .<L4.//"' 5.<44.//"' <40' G- K<B =4"' ; C .' BC.' @H==4' -.K. .0' 4' ; .< BC"' /G .40=E-"' <40' G= ; .-

$ 6

6 2 7# - 8 - # * 2

<- @0.G<-BE-. -=5 #<A=@< : C. A-.<B =L< 0=9-=<0 : =4E5.4B B= Q BC. C=AE4 = BC-.. 0<@/R : L<?<L BC. > -BCG <H. = @7@</E : =/C 0< : <5=E/ <-B /B : E- G HBE-./ME. ;=HH// =4 : -<HE =E/ <GG.<-<4H. = BC. A=00.//# ;<44=4 : H= =//< /B<BE. B= BC. A=00.// EJ &@<5< <A< 4 : /C- 4. = /G .40=E- : .<EB@ = BC. /.< : C. A<B. = -< : C. /C.-/ = <@.?<L< : - 0A. =K.- BC. .E- E S ..B =4A : ; 40@ 0<@ 4 BC. C / : & =-5=E4B< 4 HC< -/ : ; //& L. /H.4.-@ : /H.4. =-<-B /B/ : BE44. BC-=EAC < 5=E4B< 4 : 0?E=L< : <HME.- 4 < 0 <40 ><5>== ;=-L : <G<4./. B.<&HE B I K<B =4 : <-A= .NG=-B/ = B.< : @0@</E3/ =K. = B.-<BE-. : C. </B = BC. @H==4/ \G HBE-. G< 4B.0 >@ C 5 : 4 .5 4.4B BB.-<B.E- : .A.40/ = BC. ACB&H-@ 4A B=4. BC. ;=-0.0 $C.</<4B <40 BC. /C 4A .

J

E =4A <40 J=E-4.@ -=5 B . = 0 H<G B< D# =B=F B= BC. 4. ; D =L =F ;</ -./E5.0 =4 CE-/0<@ <-HC P <B , C. <B.- C=E-/ = BC. G-.K =E/ 0<@ C<0 >..4 0.K=B.0 B= 0-.4HC 4A -< 4/ =EB/ 0. <40 -./B 40==-/ >EB BC. /<K 4A = B 5. ;</ < 5<BB.- = /= 5EHC 5G=-B<4H. B= 5. <40 BC. 0. <@/ =HH</ =4.0 >@ 5@ 4.// ; .-. B.40 4A B= /= 5EHC H=4A./B =4 = 0EB ./ 5<@ /= /G.<L 4 >=BC <G<4 <40 4A <40 BC<B ; . 0.H 0.0 B= /B<-B <B <4 .G @ C=E- 4.NB 5=-4 4A -< 4 =- /E4 /C=; .-/ =- B=--.4B/ <GG @ BC. 5=-4 4A >-=L. 4. BC BB . =- 4= /E4/C 4. >EB ; BC < 0-@ <B5=/GC.-. BC. -< 4 ;C= @ A=4. <- @</ B ;</ BC. K H.&A=K.-4=- ;</ L 40 @ BC.-. B= B<L. .<K. = E/ <40 ; BC 5<4@ BB .<--<4A.5.4B/ =-.4<> 4A&<-C.E5<B H 40 K 0E< = < H.-B< 4 <A. B= 5<L. < J=E-4.@ = =-B@& K. 5 ./ 4 < Z C<40&H<-- <A. ; BC=EB B=5EHC 0 /B-.// = ; . ; .4B BC. /C=G/ <40 G <H./ = >E/ 4.// <GG.<-.0 B= >. =G.4 <40 4 =G.-<B =4 </ ; . -<BB .0 BC-=EAC <A=@< <40 @< < BC=EAC

BC.' C=E-' ;</' /=' .<- @' C.-.' ; .-.' /.K.-<' K.-@' G-.BB@' A<B. ; <@/' 4' @<' ; C HC' ' /C=E 0' C<K.' >..4' A <0' B=' C<K.' /L.BHC.0' C<0' B 5.' < =; .0'' >EB' <' G<// 4A' A <4H.' ;</' < ' ; .' H=E 0' 0.K=B.' B=' BC.5 ' C.' /C- 4./' = ' B/EB<'' ; BC' BC. -' 5@/B H' /; =-0'' BC. -' B=; .- 4A' B-../'' BC. -' H-=; 0.0' ACB&' G <-/' <40' / 5G .' H.-.5=4 ./'' ; .-.' /==4' G<//.0' <40' . B' >.C 40'' <40' >.C 40' E/' L.; /.' ==5.0' EG' BC.' A-.<B' =4&' A<4J'B.5G ='' <40' >.@=40'' BC.' 5=E4B< 4/ : 5=E4B< 4&/C- 4./'' /C< ' ; .' H< ' BC.5'V : CE4A' ; BC' HE-B< 4&/H-..4/' L.' B/EB<'' >EB' 4' BC /' H</.' BC.' /H-..4/' ; .-.' > E.'' <40' ; -=EACB' = ' K< .@' 5 /B' <40' 5=-4 4A' ACB' E5.-=E/' B.5G ./'' <40' /B ' 5=-.' 4E5.-=E/' /C- 4./' 5EHC' / 5G .-' BC<4' B.5G ./'' ; .-.' G<//.0' 0E- 4A' BC.' 0<@'' <40' <B' 5<4@' = ' BC.5'' C.-.' </' ./.; C.-.'' BC.' /B=4.' ><4/ 4/' 4' -=4B' = ' BC.5' =-' BC.' ; </C 4A' = ' BC.' C<40/' -.H. K.0' BC. -' ; <B.-' -=5' /G=EB 4A' >-=4?.' 0-<A=4/' = ' H=4/ 0.-<> .' / ?.' <40' 5EHC' <-B /B H' 5.- B

==4' < B.-' .<K 4A' @<' ; .' ; .-.' <A< 4' EG=4' BC.' A-.<B' =L< 0=' -=<0'' ; C HC' BC-=EAC=EB' BC.' 0<@'' </' =4' /=5.' =-5.' 0<@/'' ; </' <' 4.'' /5==BC'' ; . &L.GB' -=<0' >.B; ..4' BC.' B=; 4/' <40' BC.' K <A./'' >EB' ; </' 5EHC' 4.A .HB.0' ; C.-.' B' G<//.0' BC-=EAC' BC.5 : <' G= 4B' ; C HC' ; =E 0' /..5' B=' -.ME -.' /=5.' <BB.4B =4' =4' BC.'G<-B' = '>=BC' BC.'H.4B-< '<40' =H<'A=K.-45.4B/' C.' -=<0' B-<K.-/.0' >@' >- 0A./' /.K.-<' <-A.' - K.-/'' BC.' >.0/' = ' ; C HC' ; .-.' -< /.0' <>=K.' BC.' 4. AC>=E- 4A' <40& .K.' >@' </' 5EHC' </' ' ..B' B.-' < /C=-B' C< B' <B' BC.' B=; 4' = ' <-E5 '' ; C.-.' H=BB=4&/G 44 4A' /' H<-- .0' =4'' <40' B-<4/ B' BC-=EAC' <4=BC.-' 4' ; C HC' 0@. 4A' /' /EHH.// E @' G-<HB /.0'' ; .' G<//.0' BC-=EAC' BC.' <5=E/' ><BB .& . 0' 4' ; C HC' BC.' A-.<B' C=AE4' = ' BC-..' 0<@/'' /=' B=' H< ' C 5'' =/C 5=B='' .4A<A.0' BC.'-.0=E>B<> .' =>E4<A<' 4' BC.' / NB..4BC' H.4BE-@'' <40' ; </' 0. .<B.0' >@' C 5' <40' L .0 9' ' 5=4E5.4B' B=' C /' D =/C 5=B=3/F' 5.5=-@' ; </' G<//.0' 4' <' . 0' =4' =E-' - ACB : <' / 5G .' H= E54' = ' /B=4.'' /E--=E40.0' >@' <' -< 4A' = ' ; ==0' E4HC.=4' ; </' B<L.4' <B' BC.' B=; 4' = ' L<?<L '' BC.' > -BCG <H.' = ' @.@</E'' <B' ; C HC' <-.' BC.' A-.<B' A-<4 B.' ME<-- ./' -=5' ; C HC' BC.' H<G B< '' =L ='' <40' 5<4@' =BC.-' G <H./'' <-.' G-=K 0.0' ; BC' BC<B' /B=4.(B =

H 9 6 0 ,) & , A D 2,

4.<-4./ = L<?<L B= BC. ><@ = ; <- <40 B/ >-<4HC./ A-.<B @ <H B<B 4A BC. /EGG @ = BC / /B=4. B= B= ; 4/ <40 H B ./ 4.<- BC. H=</B C. -. 5< 40.- = BC. 0<@3/ J=E-4.@ ; </ H=5G .B.0 <B =E- =3H =HL 4 BC. <GG<-.4B @ BC- K 4A B= ; 4 = =/C 0<16 ; C HC / / BE<B.0 =4 < >-<4HC = BC. A-.<B - K.- .E- E16 JKC HC 40/ B/ ; <@ 4B= BC. /.< E-BC.- .</BI ; <-0 C / B= ; 4 0=./ < H=4/ 0.-<> . B-<0. 4 B 5>.-16 5=/B = BC. -== &-< B.-/ =- =L = A= 4A C.4H. B.- BC= 0- K. = =-B@& K. 5 ./ </B-= 4 BC. B= ; 4 B= BC. - K.- ><4L <40 = ; .- A<-0.4 ; </ < G .</<4B HC<4A. B.- 0 44.- < A.4B .5<4"16 - <B<4<>. C=L<16 = A-.<B =H< <5. </ <4 <-B /B16 <40 H=4/ 0.-.0 >@ /=5. = =E- G<-B@ </ =4. = BC. -/B 4=; K 4A 4 <G<4"16 0 0 E/ BC= C=4=E- = 0-=GG 4A 4 <40 C. G 4A B= G<// < ; .B .K.4 4A G .</<4B @ >@ L4=HL 4A = < . ; <-A. -=EAC /L.BHC./ = > -0/"16 .<HC 0-< ; 4A >. 4A .N.HEB.0 4 B 5./ K<-@ 4A -=5 K. B= B.4 5 4EB./ =4 @ 4 BC / G .</ 4A G</B 5. C. ; </ J= 4.0 >@ - 4=L.16 -=5 <A=@<16 ; C= C<0 <HH=5G<4 .0 E/ BCE/ <-16 <40 ; C=16 L. C / - .40 JE/B 5.4B =4.016 G=//.//./ ; =40.- E /L 4 G-=0EH 4A 4. . .HB/ ; BC < . ; 0<E>/ <40 B=EHC./ = BC. >-E/C =>/.-K.0 BC<B 4 GEBB 4A 4 B-../ <40 H.-B< 4 G<-B/ = > -0/ - <B<4<>. C=L< -.ME.4B @ .5G =@.0 B ; =>-E/C./ / 5E I B<4.=E/ @ C<K./ ./.4 < A==0 0.< = -<G 0 /L.BHC 4A <40 0-< ; 4A <B 0 .-.4B B 5./16 >EB ; BC BC. .NH.GB =4 = 5@ - .40 C.K< .- 0. <-B 4=16 BC. G< 4B.- = A-.<B 4<K< G HBE-./16 ; C= /E-G- / 4A @ /L .0 4 BC. / ; B E/. = BC. 4L&>-E/C16 L4= ; 4= =4. ;0= <GG-=<HC./ - <B<4<>. C=L<

<- @ =4 - 0<@ BC. SBC = <-HC16 < B.- <4=BC.- 4 ACB = -< 4"16 ; . GE-/E.0 =E- J=E-4.@ .</B ; <-0"16 4 <4 <B5=/GC.- = 0. ACB E -./C4.//16 4 < 4=-BC& ; ./B.-4 >-..?. = H=4/ 0.-I <> . =-H."16 <40 4 /E4/C 4. BC<B 5<0. BC. 5=-4 4A G.- .HB . ; .-. /==4 /L -B 4A =4 =E- . B -<4A./ = ; ==0.0 C /16 -= 4A < ; <@ B= 5=E4B< 4/ 4 BC. 0 /B<4H. ; </ 4 =-5.0 BC<B =4 =4. = BC= 4./B <40 5=/B /C..- <40 = B@ = BC./. C AC ; ==0.0 C / BC.-. ; </ < B.5G . * C<0 HC=/.4 < G=/ B =4 4 BC= G-=H.// =4 = ; . B= B =-.<-16 /= BC<B C<0 >. =-. 5. BC= /C B 4A G HBE-. = 5=-. BC<4 <

0=?.4$ = $ BC./.$ HE- =E/$ BB .$ H<-- <A./'6 ; BC$ 0=E> .$ BC<B$ 4E5>.-$ = $ C< &4E0.$ 5.4$ B-=BB 4A'6BC.5$ < =4A$ <B$ <$ -<B.$ = $ / N$ B=$ /.K.4$ 5 ./$ <4$ C=E-'6BC. -$ -.0$ <40$ > E.$ H= =E-/$ 0<4H 4A$; BC$ BC. -$ 5=K.5.4B/'6 <40$ BB .$ <A/$ /E-5=E4B.0$; BC$ >E4HC./$ = $ >- ACB$ C.<BC.-'6 =-$ /=5.BC 4A$ L.$ B'6 ; <K 4A$ <B$ BC.$ / 0.$ = $.<HC$ H<-- <A.$ 5=4A$ BC.$ G <A./$ G<//.0$ BC-=EAC$; </$ =4.$ 4<5.0$ E-<?<A<'6 H=4H.-4 4A$; C HC$; .$; .-.$ B= 0$ <$ BB .$ /B=-@$ B=$ BC /$ . .HB$ 4$ <$ H.-B< 4$ =HH</ =4$ BC.$ G- 4H.$ = $?.4'6 B-<K. 4A$ =4$ BC.$ =L< 0='6 /B<@.0$ B=$ / ..G$ 4$ BC /$ K <A.$! E- 4A$ C /$ / E5>.-$ <$ K / =4$ <GG.<-.0$ B=$ C 5 : 4=$ =BC.-$ BC<4$ BC<B$ 0$ BC.$ A=00.//$ # ; <44=4$ C.-/. '6 4$ BC.$ AE /.$ = $ <$ G- ./B'6 ; C=$; =L.$ C 5$ <40$ B= 0$ C 5$ B=$ ./H<G.$ =-$ C /$.'6 </$ BC.$ K <A.$; =E 0$ >.$ ==0.0$ 0E- 4A$ BC.$ 4 ACB$.$ <HH=-0 4A @$ <-=/.$ <40$ 5<0.$ C /$; <@$ 4$ < $ C</B.$ B=$ <$ 4. AC>=E- 4A$ C $ H< .0$ =5 ?<L<$ DQ$ BC.$. ACB$; BC$ <$ % . ;$ = $ BC.$.<$ RF'6 <40$ /E-.$ .4=EAC$ BC.$ ==0$ H<5.'6 BC.$ K <A.$; </$ 4E40<B.0'6 <40$ 5<4@$ = $ BC.$ 4C<> B<4B/$; .-.$ 0-= ; 4.0$ C /$ /$ BC.$; C= .$ = $ BC.$ /B=-@$ </$ $ C.<-0$ B'6 >EB$ </$ B$ <GG.<-.0$ B=$ C<K.$ >..4$ -.H=E4B.0$ B=$ 5@$ 4 =-5<4B$ >@$ =4.$ = $ BC.$ $ 5.4$ B$ 5<@$ C<K.$ >..4$ >EB$ 5G.- .HB @$ B= 0$ ' 40.-$ =BC.-$ H -HE5/B<4H./$ =4.$ 5 ACB$ C<K.$ >..4$ B.5GB.0$ B=$ H=4/ 0.-$ BC.$ G- 4H.$ = $?.4$ <$ K.-@$ /. /C$ /=-B$ = $ G.-/=4<A.$ B=$.<K.$ BC.$ G==-$ K <A.-/$ B=$ G.- /C'6 C.$ C 5/. $ 5.<4 ; C .$ ./H<G 4A$ B=$ <$ C AC$ C (<40$ C<K 4A$ /..4$ <$ /C=-B$ B 5.$ < B.- ; <-0/$ C= ;$ K.-@$ C AC$ BC.$ C $ /'6 =4.$ 5 ACB$ E-BC.-$ C<K.$ 4 .--.0$ BC<B$$- 4H.$?.4$ 5E/B$ C<K.$>..4$ K.-@$ - ACB.4.0$ 40..0$ B=$ C<K.$ A=4.$ EG$ /=$ <- $ 4.$ 5 ACB$ < /=$ C<K.$ =>/.-K.0$ BC<B$ BC.$ /. /C4./$ = $ BC.$ G- 4H.$; </$ 5<BHC.0$ >@$ BC.$ 4.A I A.4H.$ = $ BC.$ A=00.//'6 ; C=$ <GG.<-/$ B=$ C<K.$ H<-.0$ =4 @$ =-$ BC.$ G- 4H.'6 <40$ B=$ C<K.$ =-A=BB.4$ < $ <>=EB$ BC.$ G.=G .'6 ; C=$ =/B$ BC. -$ K./$ =-$; <4B$ = $ <$; <-4 4A$ / 5 <-$ B=$ C / $ E-BC.-'6 C= ;$ H<5.$ BC.$ A=00.//$ B=$ <GG.<-$ </$ <$ G- ./B$ V $ /C.$; /C.0$ B=$ >.$ B<L.4$ =-$ <$ G- ./B'6 ; C@$; </$ 4=B$ C.-$ 0 /AE /.$ . .HBE<$ V $ /C.$ 4B.40.0$ B=$ < = ;$ C.-/. $ B=$ >.$ L4= ; 4'6 ; C@$ 0 0$ /C.$ </IE5.$ BC.$ <GG.<-<4H.$ = $ <$ G- ./BV$ 4.$ 5 ACB$ .K.4$ </L$; C.BC.-'6 < B.-$ < '6 B$; </$ 4=B$ -.< @$ <$ G- ./B'6 <40$ 4=$ A=00.//'6 ; C=$ A<K.$ BC.$ @<-4 4A'6 <40$; C.BC.-$ BC.$ 4<5.$ = $ # ; <44=4$; </$ 4=B$ B<L.4$ 4$ K< 4$ >@$ BC.$ 40 K 0E< '6 ; C=.K.-$ C.$; </

$ ' 6 0' 1 ' ')' ' & , A ' 2

; C=' </ / . -B . 0' BC<B' /C . ' C<0' <4@BC 4A' B=' 0=' ; BC' BC . ' 5<BB . - '
EB' B' /' G=// > . ' BC<B' < ' BC . / . ' / . . 5 4A' ; . <L4 . / / . /' <-. ' =4 @'
4' BC . ' / B= @' </' B' -. <HC . 0' 5 . '' <40' BC<B' BC . ' G- . / B' ; </' -. < @'
BC . ' A=00 . / /'' / <B / <HB=-@' . K 0 . 4H . ' . / B<> / C 4A' BC . ' 0 . 4B I
H<B =4 ' C . ' =4 @' 0 HE B@' -. 5 < 4 4A' 4' BC<B' H</ . ' ; =E 0'
>. ' BC . ' 4 . A . HB' = ' BC . ' G==-' 4C<> B<4B/' >@' BC . ' A=00 . / /'' CEB'
BC<B' 0 HE B@' /' </' = 0' </' 5 -<HE =E/' <GG . <-<4H . /' BC . 5 / . K . /''
BC . ' ; =40 . -' < ; <@/' >. 4A' 4' / EHC' H</ . /' BC<B' BC . ' A=0/' <40' BC . '
A=00 . / / . /' <40' BC . ' K -A 4/' <40' BC . ' <4A . /' <40' BC . ' / < 4B/' ; C='
-=5' B 5 . ' B=' B 5 . ' H=5 . ' =4' . <-BC' B=' A K . ' G- K<B . ' ; <-4 4A/' B='
40 K 0E< /' / C=E 0' >. ' /=' K . -@'' K . -@' H< =E/' </' B=' BC=/ . ' ; CA5'
BC . @' 0=' ' ; <-4'' <40' ; C=' ; =E 0' >. ' </' A-<B . E '' ' BC . @'
H=E 0' < =-0' B'' </' BC . ' G- 4H . ' = ' ?. 4' C 5 / . ' 40' A-<B . E '
40 . . 0' C . ' ; </'' =-' ; C . 4' ; . ' H<5 . ' B=' =5 ?<L<'' BC . -.'' =4' BC . '
C AC' H E/B . -' = ' A-<4 B . ' -=HL/'' / . K . -< ' CE40-. 0& . . B' <>=K . ' E/''
<40' =4' <' / E5 5 B' B=' ; C HC' B' ; =E 0' >. ' 0 HE B' B=' B' . K . 4' <'
K 4A' <40' >-. <BC 4A' . &/ ?. ' A=00 . / /'' ; </' <' <-A . ' >-=4?. '
/B<BE . ' = ' # ; <44=4' P' . . B' C AC'' A<? 4A' =K . -' <40' <40'
=K . -' BC . ' / . <'' ; C HC' ; . ' L4= ; ' >@' BC . ' 4<5 . ' B=' >. ' ; BC 4' C . -'
K . ; '' BC=EAC' ; . ' H=E 0' 4=B' / . . ' B'' <40' <GG<-. 4B @' 4=B' <'
BB . ' G-=E0' = ' C . -' . . K<B =4 : G-=E0' 4' BC . ' K . -@' G-. / . 4H . ' = '
BC . ' / E4&A=00 . / /' C . -/ . '' ; C='' 40 . . 0'' 0 0' 4=B' 0 / 0< 4' B='
<0=-4' C . -' >-<?. 4' >-= ; ' ; BC' <' B=EHC' = ' C . -' = ; 4' >- AC B'
. <K 4A' BC . ' A=00 . / /' B=' C . -' = B@' 5 . 0 B<B =4/'' ; . ' -= . 0' =4'
BC-=EAC' <' 4 . ' H=E4B-@'' K . -@' ; 0'' <40' ; ==0 . 0' <40' 5=E4I
B< 4=E/' =4' =E-' . B'' <40' K . -@' . K . '' <40' HE B K<B . 0' <40' A / B . 4I
4A' ; BC' - H . &/ ; <5 G/' =4' =E-' - AC B ' C . ' -=<0' 4 . NB' . 0' E/' EJF''
<' / EHH . // =4' = ' =4A' C /'' 4' </H . 40 4A' ; C HC' ' A <0 @' <K< . 0'
5@/ . ' = ' BC . ' =GG=-BE4 B@' BCE/' < =-0 . 0' =-' <' 0 . AC B E '
5=-4 4A' ; < L ' $-. / . 4B @' ; . ' H<5 . ' =EB' =-' <' / C=-B' B 5 . ' EG=4'
<' H=5 G<-<B K . @' =G . 4' -=<0'' <40' <' / C- ' K= H . ' . NH < 5 . 0''
Q' EJ &@<5 <' R' <40' BC . -. ' 40 . . 0'' /=5 . ; C<B' < ; <@' =4' =E-' . B'
D>-=<0' =4' =E-' G=-B' >= ; '' </' <' / < =-' ; =E 0' GEB' BF'' ; </' BC . '
/ EG . ->' 5=E4B< 4' ; C HC' ; . ' C<0' 4=B' / . . 4' =-' K . ' ; . . L/'' <40'
; C HC'' </' B' 4= ; ' /B==0' EG'' 4 . <- @' 4 4 . B@' 5 . / ' = '' <>=K . ' BC . ' Q
4 . <-. -' <40' 0<-L . -' 5=E4B< 4/ : / B==0' EG'' ; C B . -' ; BC' /4= ; '
BC<4' ' ; -=EACB' = ' / K . -'' GE-. -' BC<4' BC . ' K . -@' / L@' 4B='
; C HC' B' B= ; . -. 0'' <40' 5=-. ' G . - . HB' 4' =-5' BC<4' <4@' 5=-B<

C<40/ H=E 0 5=0. : ; </ < /C- 4. = /G .40=E- ; =-BC@ = BC. B-E.) =0 <40 < H=4/.H-<B =4 B= BC. <40 ; C HC / /= =-BE4<B. </ B= =-5 B/ G.0./B< B ; </ < 4<B K. A.4B .5<4 ; C= /< ; B -/B(4=B < G=.B 4=B <4 <-B /B 4=B < /..- = <4@ /=-B(CEB C. ; </ < 5<4 <40 < <G<4./." <40 C. H <GG.0 C / C<40/ <40 /C=EB.0 ; BC 0. ACB <40 ; BC BC. J=@ = /.. 4A =4H. <A< 4 BC. /<H-.0 5=E4B< 4 <40 = BE-4 4A BC. .@./ = E/ /B-<4A.-/ B= ; <-0/ B

X C . ; . A<?.0 ; BC ; =40.- <40 < 5=/B ; BC ; =-/C G EG=4 BC / Q 5=/B < ; E =-5 "R <4=BC.-K= H. /C=EB.0 Q C. / .<`R <40 BC.-. =4 =E- - ACB <@ >. =-. E/" <40 = ; >.4.<BC E/" <40 -= 4A <- < ; <@ =K.- BC. C=- ?=43 <-H" BC. K 4A ME 0 /G .40=E- = BC. /.< 40..0 Q /43B BJE/B L. A<E?. R /C=EB.0 <4=BC.- = BC. G<-B@ -=5 < 0 /B<4H.(<40 < BC=EAC =4 .. / /=5 .-. EHB<4H. B= <//=H <B. ; BC BC. =H.<4 BC. 4<5 . = / -< < BC 4A </ A<E?." @.B BC.-. ; </ /= /= B <40 /.5 &B-<4/G<-.4B <40 0. H<B. < ==L <>=EB BC. /.< =4 BC / =HH</ =4 K . ; .0 -=5 =E- C. ACB BC<B =4. . B BC. K.- / 5 BE0. = BC. 5.B<GC=- 4.K.- >. =-. /< ; BC. /.< /= EBB.- @ >.<EB E C<K. = B.4 CE4A <>=K. B/ /G .40=E-(= B.4 /B.4.0 B= B/ < E- 4A 5E/ H =4 BC. /C=-. <40 B/ G= ; .- = =<B 4A A-.<B /C G/ ; BC B-EBC <40 H.-B< 4B@ C</ < ; <@/ C<0 < H.-B< 4 HC<-5 =- 5 . : < HC<-5 <B ; C HC BC=/. 5<@ <EAC ; C= <-. 4/.4/ > . B= BC<B K . ; .// A-<H. ; C HC E-L/ 4 < BC. ; <@/ <40 G<BC/ = /H .4H. 4 BC. ; <@ =EB B= <G<4 =4 BC. K.-@ G<-B = BC. /.< EG=4 ; C HC ; . ; .-. 4= ; ==L 4A 0= ; 4 ; . G<//.0 /=5. C=E-/ 4 <05 - 4A BC. 4B.4/. H= =E- = BC. /.<&0..G/ <40 BC. GE-. ; C B.4.// = BC. /E- <H. </ B ; </ B=-4 4B= -<A5 .4B/ >@ BC. A< .(>EB =4 BC / /E4&>- ACB 5=-4 4A =4 ; C HC BC. >-..?. /..5.0 /<BE-<B. ; BC /E4 <40 BC. /E4 > = ; 4 BC-=EAC ; BC >-..?. /..5.0 B= 5 N ; BC BC. /.< E4B BC. ; C= . /E- <H. =<5.0 ; BC ACB <40 .

. 4= ; 0 GG.0 0= ; 4 -=5 BC. C. ACB <40 < B.- < /C=-B -E4 .4B.-.0 BC. K <A. = -< ; C HC / : =- -<BC.- ; </ =- BC. =L< 0= C</ 4= ; B<L.4 <4=BC.- <40 4. ; .- -=EB. 4.<- BC / G <H. <40 BC. A<B. / -.5=K.0 : =4. = BC. A<B./ = BC. =L< 0= A K 4A EG=4 <4 4 .B = BC. /.< =K.- ; C HC

H e' 6 0' ' ')' ' , A D 2 P

J </ /. 4A. -/' C<K.' B=' >.' .-- .0 ' E-' G<-B@' <B' =4H.' . 5><-L.0' 4' /.K.-<' >=<B/' ; C HC' ; .-.' ; < B 4A' =-' E/'" <40' <' /B-=4A' /B. -4' >-. . ?. &0-=K.' E/' ME HL @' =K.-' BC.' B ; =' =-' BC-. .' 5 ./' = ' /C< = ;' ; <B.-' B=' BC.' K <A.' = ' <@. ?<L<'" 4' BC.' G-=K 4H.' = ' =B=5 ' .-.' ; .' -. &. 4B. -. 0' =E-' ($ $ ' <40' /B<-B. 0' =-' =E-' E4HC. =4&G <H.'" <5<5<B/E ' C.' -=<0' BC-=EAC' <@. I ?<L<'" <40' =-' <' . ;' 5 ./' >. @=40 : 4=' =4A.-' <' -. H=A4 /. 0' G=-B =4' = ' BC.' =L< 0= : /' <' ><0'" /<40@' -=<0'" <40' ; .' 5=K. 0' =K.-' B'" =-' -<BC.-' BC-=EAC' B/' /<40@' -EB/'" >EB' / = ; @'" BCE/' A K 4A' =E-/. K./' <5G .' B 5.' B=' =>/. -K.' BC.' <-A.' . NB. 4B' B=' ; C HC' BC.' /5< ' /C' BC<B' <>=E40' 4' BC.' 4. AC>=E- 4A' /.< ; BC' B/' C<@/' <-.' H<EACB' <40' 0- .0' 4' BC.' /E4' B=' /.-K.' </' 5<4E-. ' ' <-A.' 4E5>.-' = ' BC.' 4C<> B<4B/' = ' <@. ?<L<' <40' BC.' <0J<H. 4B'" K <A./' <GG.<-' B=' >.' .5G =@. 0' 5< 4 @' 4' BC /' B-<0. ' /' ; .' G</ /. 0' E40.-' BC.' C /' ; .' =>/. -K. 0' <' 4E5>.-' = ' /C.-5. 4' /.<B. 0' EG=4' BC. 5'" ; <BHC 4A' BC.' /.<' =-' BC.' /C& /C=< /' ; C HC' BC.@' -/B' 0./H-@' -=5' BC./.' C. ACB/'" <40' BC. 4' 0./H. 40' <40' H<GBE-.

. =-.' -.<HC 4A' <5<5<B/E' ; .' G</ /' BC.' >-=<0' - K.-' = ' .4- E' D .4- EA< ; <F' >@' BC.' =4A./B' >- 0A.' 4' <G<4'" 4.<- @' =E-' BC=E/<40' . .B' 4' .4ABC ' C /' - K.-' /' 4<K A<> .' 4' B/' 5< 4' /B-.<5' =-' =4.' CE40-. 0' <40' B ; .4B@' 5 ./' -=5' BC.' /.<'" ; C HC' >EB' . ;' - K.-/' = ' <G<4' <-.'" = ; 4A' B=' BC.' 4<--= ; 4.//' = ' BC.' H=E4B-@'" <40' BC.' 4.<-4.//' = ' BC.' 5=E4B< 4/' B=' BC.' /.<' 4' K.-@' 5<4@' H</./ ' <5<5<B/E' C</' /=5.' .NH. .4B' 4<B K.' C=B. /'" 4' =4.' = ' ; C HC'" L. GB' 4' <05 -<> .' =-0.-'" ; .' B==L' E4HC. =4' ; BC' <4' <K 0 B@' 0=E>B .//' 0E.' 4' G<-B' B=' BC.' /.<&< -'" = ' ; C HC' ; .' C<0' >-.<BC. 0' G-. BB@' -.. @' 4' BC.' H=E-/.' = ' BC.' 5=-4 4A' C.' >-. .?.' = ' BC.' 5=-4 4A' 4H-. </. 0' BC-=EAC' BC.' 0<@'" <40' ; .' 5 ACB' C<K.' /< .0' =-' BC.' -. 5< 40.-' = ' B' 4' '($ $ '" C<0' BC.@' >. .4' /EGG .0' ; BC' 5</B/' <40' H<4K</ ' B' .4ABC' ; .' .4B. -. 0' #<L. A< ; <' 4' <' A< .' = ' ; 40'" ; C HC' =E40' B/' ; <@' G-. BB@' -.. @' 4B=' =E-' HC<5>. -/'" ; BC=EB' BC.' 4. H.// B@' = ' .N.-H / 4A' 5EHC' 4A. 4E B@' 4' A. BB 4A' BC. -. ' C.' C=B. '" BC=EAC' BC.' >. /B' 4' BC.' B= ; 4 : >. BB.-' C<K 4A' <B. @' >. .4' 0./B-=@. 0' >@'" -. : /' <E' = 0' =4.'" <40' ; BC=EB' BC.' /C. B.-' = ' 4E5. -=E/' /H-. .4/' <40' -EA/' ' .<-. 0' 5@' =LL< HC' G< 4/' <40' .NG.- .4H./' 5 ACB' C<K.' >. .4' -. 4. ; .0 ' C-=EAC=EB' BC.' .K. 4 4A' <40' 4 ACB' BC.' C=E/.

/C==L' ; BC' BC.' ; 40' < 5=/B' 4H.//<4B @'" </' ' >. 4A' 4E-/.0' >@'<4' <BB.4B K.' .<-BCME<L.

C.' 4.NB' 0<@3/' J=E-4.@' <@'HC . @'=K.-' C /' <40'- K.-&>.0/'" ; BC' =HH</ =4<' B-<4/ B/' =K.-' =K. @' K< .@/' C.' /B-=4A' 4=-BC& ; ./B.- @' ; 40'/B ' / ; .GB' 0= ; 4' -=5' BC.' HC ' 5=E4B< 4' C. ACB/'" =HH</ =4< @'0.K. =G 4A' 4B='>- . 'A< ./'='H=4/ 0.-<> .' =-H.'" BC-.<B.4 4A' B=' / ; ..G' E/' -=5' BC.' C /' BC' 5=-.' =-H.'/B ' BC.@' / ; .GB' BC.' >- 0A./' =K.-' BC.' B=--.4B&>.0/' = 'C.' A< ; <' <40'BC.' >.A< ; <'" =4' BC.' <-BC.-' =-' . B' ><4L' = ' ; C HC' /B<40/' BC.' H B@' = ' C 0?E=L<'" ; C HC' ; </' B=' >.' =E-' -./B 4A&' G<H.' =-' BC.' 4 ACB' 4' =BC.-' -./G.HB/' BC.' 0<@' ; </' 4.' <40' >- ACB' B.-'0- K 4A'<' .;'5 ./'" 4' =E-' E/E<'C<40&H<-- <A./' D=-' $E &5<4' H<-/'" </' BC.@' <-.'J=H=/. @' H< .0F'" ; .' -.<HC.0' //<L<'" ; C.-.' ; .' < ACB.0' B=' H-=//' BC.' C /' =-' =E-' =-' K.' 5 ./'" . BC.-' 4' < # ' =-' =4' ==B'" BC.' -=<0'" < BC=EAC' G-<HB I H<> .' N' ' >. 4A' 4' <-A.' G<-B' /=' K.-@' /B..G' <40' -=EAC' BC<B' 4=' =4.' ; =E 0' -=5' HC= H.' >.' J= B.0' EG' <40' 0= ; 4' B' C=/.' ; C=' H<44=B' ; < L' <-.' B<L.4' 4' # ' ; C HC' <-.' BB .' H<-- <A./'" . BC.-' =G.4' =-' H =/.0'" H<-- .0' EG=4' BC.' /C=E 0.-/' = ' 5.4' C.-.' ; .-.' /.K.-<' = 'BC.5' 4' -.<0 4.//' =-' =E-' G<-B@'" >EB' 4=4.' 4B=' ; C HC' B' <GG.<-.0' <B' < ' G=// > .' =-' 5.' B=' /ME..?.' =-' >.' /ME..?.0(<40' ' /C=E 0' C<K.' >..4' <5=4A' BC.' 5=/B' E4-.</=4<> .' <40' E4A-<B. E' = ' 5.4'" ' BC=EACB'" ' ' G-. .--.0' /EHC' <' 5=0.' = 'H=4K.@<4H.'" >. 4A' </' <-'-.H=K.-.0'</' ' ; </'" B=' <' 4.' 5=E4B< 4' ; < L' = '<' . ;'5 ./ 40' <' 4.' ; < L' 40..0' ; .' C<0'" BC-=EAC' ; //& L.'/H.4.-@'" ; BC' =HH</ =4<'K . ; /'=K.-' <-A.' .NB.4B/' = ' = ; <40/'" 4=;'<40' BC.4' A 5G/./' = 'BC.' 0 /B<4B' /.<'" <40' /E00.4 @'" < B.-' G<// 4A' BC.' -/B' /E5 5 B'" /EHC' <' E & -=4B.0' K . ;' = ' EJ &@<5<' </' ; =E 0' C<K.' ; . '-.G< 0'<' <-' 5=-.' <>=- =E/' H 5>' <B.-' =4'" < B.-' G<// 4A'<H-=//' <' K< .@' <40' </H.40 4A' <' /.H=40' '" ; .' H<5.'EG=4' <4=BC.-' <40' /B ' 5=-.'>.<EB E'K . ;'= 'BC.' /<H-.0' 5=E4B< 4'" BC.' C AC./B' 4' <G<4'" ; C HC' - /./' P" ' ..B' H .<-' < ; <@' -=5' BC.' /.<' .' H=E 0' 4=B'" C= ; .K.-'" /..' BC.' ></.' -=5' =E-' G=/ B =4'" >EB' ; .' /< ;' ; C<B' ; </' G.-C<G/' >.BB.-' </' <4' =>J.HB' = '>.<EB@' . = ;' B/' /4= ; &H=K.-.0' /E5 5 B' <40' / 0./'" BC.' = ; .-' <40' 0<-L.-' G<-B' = 'BC.' 5=E4B< 4' <GJ .<-H0' = 'BC.' /. &/<5.'> E.' </' BC.' /L@' <>=K.'" /=' BC<B' BC.' 5=E4B< 4' = ' /4= ;

/..5.0' G= /.0' 4'C.<K.4 : G.-C<G/' /E/G.40.0' BC.-.' < B.-' BC.'
</C =4' 4' ; C HC' =4.' = ' =E-' G=.B/' C</' 5<A 4.0' BC.' ; =- 0'
B=' >. :

Q E4A' >@' A= 0' HC< 4/' <>=EB' BC.' ..B' = ')=0 R

. = ;' EJ ' ; .-.' = ; .-' -<4A./' = ' 5=E4B< 4/'' 0<-L @' H=4I
B-</B 4A' ; BC' B(BC.4'' 4.<-.-'' H<5.' = ;' ; ==0.0' C /(
4.<-.-' /B '' BC.' >-=<0'' -= AC'' /B=4@' >.0' = ' BC.' A< ; <'' ; BC'
/ ; B' /B-.<5/' HC</ 4A' 0= ; 4' B'' <40' /<40&/B=-5/' 0- K 4A' =K.-'
B(<40' 4.<-.-' /B ' <' K <A.'' <40' B.<&G <4B<B =4/'' <40' BC.'
=L< 0=' / ; ..G 4A' 0= ; 4' ; BC' B/' ; 0' >=-0.- 4A/' = ' = 0' <40'
B ; /B.0' B-../ ' 4' < ' BC.' /E4' /C=4.' >- ACB @'' <40' =K.-' < ' BC.'
A< .' > . ;' / ; B @'' /=' BC<B' ; .' C<0' >. =-.' E/' /EHC' </H.4.' </'
<-B /B/' ; . ' 5 ACB' G< 4B' <40' G=.B/' .0 B' ! GG 4A' 0= ; 4' B='
BC.' K <A.' >. = ; '' #<4<@<'' ; C.-.' =BC.-' ' < ; < B.0'
E/'' ; .' /B<-B.0' 4' BC.5' =-' E/ .0<' E-' ; <@' <@' -/B' <H-=//'
BC.' A< ; <'' <40' BC-=EAC' BC.' 0- K 4A' /<40&/B=-5/' ; C HC' ; .'
C<0' .4J=@.0' </' G<-B' = ' <' G HBE-.'' >EB' ; C HC' ; .-.' <4@BC 4A'
>EB' HC<-5 4A' </' <B5=/GC.-./' B=' >.' 0- K.4' BC-=EAC' .'
; .-.' /==4' >.@=40' BC.5'' C= ; .K.-'' <40' .-.' =4A' H=5 =-B<> @'
.4A<A.0' 4' </H.-B< 4 4A' BC.' 5 .- B/' = ' <' E/ .0<' E4HC.=4' 4'
<' K.-@' A==0' 4<B K.' 44' =-' C=B. ' C /' 5<BB.-' /E H .4B @'
0.B.-5 4.0' B=' BC.' /<B / <HB =4' = ' < '' ; .' ; .-.' /G..0 @' .V'
* ' <A< 4'' <40' 4/B.<0' = ' /L -B 4A' BC.' C /' B=' BC.' /=EBCI
; <-0'' </' ' .NG.HB.0'' BE-4.0' B= ; <-0/' BC.' C /' 4' -=4B ' B.-'
G<// 4A' BC-=EAC' <' K <A.' <B' BC. -' ><'.'' <40' -<H 4A' 0= ; 4' <'
K< .@' >.B ; ..4' BC.5'' ; .' </H.40.0' <' ; 40 4A' =-' < B.-4<B 4A'
-=<0 ; <@'' ; C HC' B.-5 4<B.0' <B' BC.' .4B-<4H.' = ' <' BE44. '
BC-=EAC' BC.' 5=E4B< 4 ' C /' BE44. '' 5EHC' -./.5> 4A' BC<B'
= '$=??E= '' 4.<-' <G ./'' <40' ACB.0'' L.' B'' ; BC' <5G/' <B'
4B.-K< /'' ; </' <>=EB' <' BC -0' = ' <' 5 .' 4' .4ABC ' B' B.-5 I
4<B.0' 4' <' >.<EB E ' K< .@'' 0= ; 4' ; C HC' BC.' -=<0' G E4A.0''
<40' EG' ; C .C : </' EG' BC.' /B..G' -=<0/' = ' BC.' 5=-4 4A'' >@&'
BC.&>@. : /.K.-< ' # ' ; .-.' >. 4A' >=-4.'' BC.' B-<K. .-/'
E/E< @' ; < L 4A' B=' /G<-.' BC.' H<--@ 4A' "* ' </' BC /' H </'/'
= ' <>=E-.-/' <40' ' 5.4' <-.' H< .0' B.-' <' .;'
5 ./' = ' E-BC.-' B-<K. 4A' ; .' /<;' >. =-.' E/' BC.' -== /' = '
<' <-A.' B= ; 4'' <40' >.B ; ..4' BC.5' <40' E/' BC.' >.0' = ' <4=BC.-

<-A. - K.- Z;C HC - ACB @ B==L B= >. BC. >=A<;< BC. B=;4 =- H B@ >.@=40 >. 4A BC. B.-5 4E/ = =E- 0<@3/ -E4
C 0?E=L< 9

.-. ;. ;.-. H=-0 < @ -.H. K.0 <B <4 .NH. .4B 4<B K. C=B. >@ BC. A=K.-4=- = BC. <-A. 0 /B- HB =- #.4 ;C HC B<L./ B/ 4<5. -=5 BC /G <H. <40 < /= >@ BC. K H.&A=K.-4=- =- HC . /.H-.B<-@ ;C= 40..0 C<0 < -.<0@ -.H. K.0 E/ =4 =E- .4B-<4H. 4B= BC. #.4 .<- .- 4 BC. 0<@ <40 C<0 GE/C.0 =4 >. =-. 4/ B= ;. H=5. E/ 4 BC. H B@ C. L 404.// = BC./. A.4B .5.4 0./.-K./ 5=-. BC<4 <G<// 4A B- >EB. C.-. =- 4 <00 B =4 B= BC. - ;. H=5. B= BC. G <H. BC.@ .4B.-B< 4.0 E/ <B <G- K<B. ><4ME.B 4 BC. .K.4 4A <40 5<0. E/ K< E<> . G-./.4B/ = /G.H 5.4 G-=0EHB =4/ = BC. 0 /B- HB 4H E0 4A /<HME.- ;=-L 4 < 0 ;=-L <-B H ./ = 0. H<H@<40 >.<EB@ 5<0. = BC. ><5>== H<4. B.</ </ G-.G<-.0 =- >=BC BC. C=5. <40 BC. E-=G.<4 5<-L.B/ .BH C.@ < /= C<0 < <-A. ME<4B B@ = BC. <HME.- 4 < 0 <40 ><5>== ;=-L = BC. 0 /B- HB G <H.0 =- =E- 4/G.HB =4 4 BC. C=B X C . ==L 4A 4 <4 EGG.- -==5 <B /=5. = BC./. K.-@ G-.BB@ G-=0EHB =4/ = C 0?E=L< BC. /. 4A G- H./ = ;C HC =E40 =4 4ME -@ B= >./ 4AE <- @ ME B. ;=40.- E @ = ; < 0==- ;</ / 0 =G.4 JE/B < B.- /E4I /.B <40 0 /H =/.0 < /EG.->&K .; = EJ &@<5< =4 ;C HC BC. ACB 4A.-.0 <40 B= ;C HC B H E4A H.-B< 4 @ ; BC =K.I 4.// <GG<-.4B @ ; BC =K. 0= 4=B ;=40.- BC<B 4 BC./. G<-B/ = <G<4 BC / ;=40-=E/ BC / /E> 5. =>J.HB / 5G-.//.0 5=-. =- .// 5G.- .HB @ EG=4 < 5=/B .K.-@ <-B H . B= ;C HC BC. <-B/ <-. <GG .0 :<40 4 <G<4 ;C<B / BC.-. B= ;C HC <-B / 4=B <GG .0 V B.- 0 44.- ;. B- .0 BC. C 0?E=L< B.< </ G-.G<-.0 =- BC. E-=G.<4 =- 5=-. H=--.HB @ /G.<L 4A =- BC. 5.- H<4 5<-L.B <40 =E40 B .NH. .4B C. E-=G.<4 B</B. / /=5.;C<B 0 .-.4B"&*/ ;. L4=; >EB BC / < /= / 4=;>. 4A G-=K 0.0 =- & C. .NG=-B = B.< -=5 C 0?E=L< #.4 <5=E4B/ 4 K< E. B= U2 " <40 4 =4. @.<- ;C.4 B.< ;</ /H<-H. BC. .NG=-B -.<HC.0 B;= <40 < C< B 5./ BC<B <5=E4B B / C=G.0 >@ BC. <EBC=- B ./ BC<B B ; A-.<B @ 4H-.</. BC. HE B K<B =4 =

B = B.<&G <4B 4 B 4/ #.4 >. 4A 0.K. =G.0 ; BC A-.<B H<-. <40 .4.-A@16 </ ;</ <GG<-.4B BC-=4A =4B BC. 0<@3/ J=4-4.@

C / B= ; G / BC. 5=/B 4=B<> . = < 4 -. <B =4 B= BC. A-.<B = HEA< ; < <5 @16 ; C HC A<K. B= <G<4 B/ C=AE4/ <40 @H==4/ -=5 BC. @.<- 7 P 0= ; 4 B= 7 16 ; C.4 BC. /@/B. 5 = A=K.-45 .4B >@ < C=AE4 ; </ >-=EACB B= <4 .40 . -/B = BC. =LEA< ; < C=AE4/16 @7@</E16 4< @ B==L EG C / -./ 0.4H. 4 C 0?E=L< < B.- C / A-.<B K HB=-@ =K.- C / - K< / <B .L A<C<-<16 4.<- <L. ; < : < K HB=-@ ; C H 0.B.-5 4.016 </ ; . /<;16 BC. A=K.-45 .4B <40 <B. = 9 <G<4 -=5 BC. >.A 44 4A = BC. /.K.4B..4BC H.4BE-@ =4 ; <-0/ B= =E- = ; 4 0<@ .-. <B C 0?E=L<16 BC.4 L4= ; 4 </ E5GE16 @.@</E C<0 =4A >. =-. >E B C 5/. < A-.<B H</B .16 <40 -./ 0.0 4 B . 4= ; -.BE-4.0 B= B16 <40 . B B <A< 4 =4 @ =- B ; = /C=-B 4B.-K< /16 B= /EGG-.//-.>. =E/ <BB.5GB/ . -. C. 0.K=B.0 C 5/. 5< 4 @ B= B.-<BE-.16 H= .HB 4A <40 G-.I /.-K 4A /= 5<4@ = 0 5<4E/H- GB/16 <40 =BC.- ; /. /= .N.-B 4A C 5/. BC<B B / /< 0 B= >. <-A. @ 0E. B= C 5 BC<B 5EHC = BC. <4H .4B <G<4./. B.-<BE-. / 4= ; 4 .N /B.4H. 9

9 9 C. E5GL ME=B.0 >@ -<B< 5.4B =4/ < <-A. 4E5>.- = ; =-L/ >-=EACB B= @. @</E -=5 K<- =E/ G<-B/ = BC= H=E4B-@16 /=5. -=5 # =B= <40 =BC.-/ -=5 #<5<LE-<16 <40 < . ; -=5 BC. 5=4</B.-@ = 4=>E <4 4 #=/ E16 . =-. C / 0.<BC C. A<K. 0 -.HB =4/ BC<B BC= >-<-@ = <G<4./. <40 C 4./. >==L/ ; C HC C= C<0 =-5.0 <B E5GE /C=E 0 >= 0 K 0.0 >.B ; ..4 C / . ACBC /=4 BC. G- 4H. = ; <- 16 <40 / 4 4B /=4 BC= G- 4H. = # E/C E = -5.-.H. K.0 BC. A-.<B.- G<-B = BC. <G<4./. >==L/ BC. <BB.- BC. C 4./. >==L/ ' 40.- BC. 0 -.HB =4/ = BC. G- 4H. = ; <- ; =-. H=5G=/.0 BC. 4A C=B.4 3 <40 E J E C=4A 3 4. = @.@</E3/ A-<40/=4/16 B = <5=E/ /.H=40 G- 4H. = B= D 722& , F16 L4= ; 4 K<- =E/ @ </ B= 4= #=5=4 <5< <40 B= 4=) L= D B/EL 4 ; </ C / 3 < /= H= .HB.0 < K</B >-<-@ >@ GE-I HC</ 4A = 0 C==L/ -=5 C 4B= <40 E0OC /B B.5G./16 <40 -=5 BC. G.=G . BC BC. < 0 = <4E5>.- = /HC= <-/16 <5=4A/B ; C=5 B-<0 B =4 /<@/ ; .-. /.K.-< .<-4.0 E./. ; C= C<0 .0 B= <G<4 B= ./H<G. BC. B@-<44@ = BC. <4HCE H=4ME.-=-/16 C. H=5I G=/.0 BC. W ! < 4 &C=4/C "3 =- /B= @ =) -=<B <G<4 16 4 B ; = CE40-.0 <40 =-B@ >==L/ C / >==L / B . /B<40<-0 C /B=-@ = <G<4 B= BC / 0<@16 <40 < /E>/.ME.4B ; - B.-/ =4 BC. /E>J.HB C<K. B<L.4 B </ BC. - AE 0. = < /= H=5G .0 < ; =-L =4 BC. H.-.I 5=4 < / = BC= 5G.- < H=E-B16 H=4/ /BI 4A = 5=-.BC<4 K.CE40-.0 K= E5./16 ; C HC BC. L<0= H=40./H.40.0 B= A K. BC. B B . = . A - EB.4 = 0. -<@ BC. H=/B = G-=0EH 4A BC./. B ; = 5<A4 H.4B ; =-L/16 BC. G- 4H. = B= /.B </ 0. <B .</B P " .! = - H. G.- <44E5 D/=5. <HH=E4B/ /<@ " 16=BC.-/, " F R : -4./B <B= ; 16 4 W -<4/<HB =4/ 3 = / <B H =H .B@ = <G<4 : C. $ # / < BB . .//

/ BC. -/B /= BC. </B = BC. =LEA< ; < @H==4/ C</ 5<0.
C 0?E=L< C / G <H. = -. / 0.4H. =- C.-. 4= ; -. / 0. / BC. 0.I
BC-=4.0 @H==4 ; C= K./ 4 A-.<B G- K<H@ <40 / 5G H B@
. / . . / >E B . ; G.=G . -<4L @ <HL4= ; .0A 4A BC<B BC.
-.</ / .-B =4 = BC. L<0=3/ <EBC=- B@ / JE/B <40 4=B
0./ - 4A B= A K. <4@ H=E4B.4<4H. B= < H=4B-<-@ .. 4A .
0.K=B./ C 5/. 5< 4 @ B= . 0&/G=-B/ >EB </ /< ; 4 BC.
C=E/. = =4. = BC. 5 4 /B.-/ = /B<B. 4 =L = < K.K@ G-.BB@
0-< ; 4A -=5 C / DBC. .N& @H==43/F C<40 H<44=B 0=E>B
BC<B C. 40E A./ C /. L. ; /. 4 BC. .N.-H /. = B .
<-B /B3/ /L / /=5. H=5G.4/<B =4 =- BC. - =// = .5I
G =@5.4B BC. L<0=3/ A=K.-45.4B G-./.4B.0 < <-A. B-<HB
= <40 4 BC / 0 /B- HB B= BC. =-5.- G.-/=4< <BB.40<4B/ <40
/.-K<4B/ = BC. @H==4 5EHC = ; C HC / HE B K<B.0 E40.- <
/@/B.5 = G<-B4.-/C G BC. B.<&G <4B =- ; C HC BC. /= /
G.HE <- @ <K=E-<> .>. 4A BC. G- 4H G< BC 4A A-= ; 4 C.-.
C. B.-<-@ -.5 4 /H.4H./ /EAA./B.0 >@ < K / B B= C 0?EI
=L< <-. 4=B 5 B.0 B= BC. 0= 4A/ = BC. =LEA< ; </ <40
5E/B 5.4B =4 BC. H -HE5/B<4H. BC<B B ; </ B= BC / H B@ BC<B
BC. .<*-4.0 -<B< B/EB<4. /.H-.B @ -.B -.0 4 BC. @.<- 2
B= H=5G=/. C / A-.<B ; =-L BC. W#=/C &/. >E4"3 ; C HC C</
G-.K =E/ @ >..4 ME=B.0 B.- = .- 4A EG < G-<@.- B= <
BC. A=0/ =- BC. - < 0 C. / /< 0 B= C<K. /.B B= ; =-L =4 BC.
BC = BC. 5=4BC <40 B= C<K. H=5G .B.0 B >@ BC. .40 = B
Q / < G-== = C / -.5<-L<> . 5.5=-@"R /<@/ - <B= ;
Q B / /< 0 BC<B C. H=5G=/.0 BC. BC-.. K=E5./ = BC. B.NB
<40 /.K.-< K=E5./ = BC. G-= .A=5.4< .4B B .0W#=/C &HC="3
; BC=EB 5<L 4A < / 4A .-. .-.4H. B= BC. ; =-L/ -=5 ; C HC
C / 5<B.- < / ; .-. 0-< ; 4 C. W#=/C &/. CE4 39;</ <GG<I
-.4B @ 4B.40.0 B= C<K. >..4 >-=EACB <-0= ; 4 4B= ; C<B /
E/E< @ H< .0 BC. C /B=- H< G.- =0 >EB BC. G<-B ; C HC
-. <B./ B= BC. 0 K 4. <A. / < BC<B C</ <B G-./.4B <GG.<-.0 R
4 =E- ; <@ =K.- BC. 5=E4B< 4/ B=&0<@ ; . G HL.0 EG < . ;
5<BB.-/ = <HB ; C HC <-. ; =-BC 5.4B =4 C.-. @ BC. / 0.

BC<4 K. 5G.- < >E/C. / <40 B=4 K=B.0 BC. G-=0EH. = <B .</B P
*. G.- <H-. / A K.4 </ < A==0 <H-./ = - H.& <40 B= BC./. B.-<-@
<K.-<A. G-=0EHB =4 -=5 BC. - H.& .4B.-G- /./
<40/ C. G- 4H. = B= BCE/ 0.I

Z= =4. = BC. B.<&C=E/. /" 4.<- BC. /E5 5 B = BC.' C - / 4A -=5 //<L<" &;</ <-A. -=E40.0 /B04. = -. 5<-L<> . =-5" ; C HC /' L4= ; 4 </' BC. Q 4 ACB&H-@ 4A /B=4. R C. /B=-@ H=44.HB.0 ; BC B" </' B= 0 B= 5. C.-. <B C 0?E=L<" /' </' = = ; /(: " =-. BC<4 B ; = BC=E/<40 @.<-/' <A= D 4 BC. B 5 . = BC. .5G.-=- #=A.4" ; C= -. A4.0 -=5 2 S B= ' <40 0 .0" <B BC. A==0 = 0 <A. = 7F" < ; =5<4 ; C= ; </ : ; . " ; C= ; </' < BC=-=EAC ; ." <40 ; C=/. CE/><40 C<0 >..4 < ; <@ >EB < . ; 5=4BC/" ; .4B B= /..L C 5 4 BC. -.A =4 = ; C<B /' 4= ; BC. 5=0.-4 H<G B< = BC. H=E4B-@ C.-. 5 .B C.-" =- =K.-B==L C.-" =4 BC. ; <@J =4. = BC=/. B ; =&/ ; =-0.0 A.4B .I 5.4 BC. $* ; C= ; BC < BC. - <0K<4B<A./' ; .-. 4=B < ; <@/' </' A.4B . =- </' K -BE=E/' </' BC.@ 5 ACB C<K. >..4" </' ; . /C< G-./.4B @ /.. C /' =4. . 4 =K. ; BC C /' . = ; &B-<K. ." <40 .5G =@.0 < C /' <-B/" >=BC =4 BC. -=<0 <40 <B BC. 44 <B ; C HC C. B==L H<-. BC.@ >=BC /C=E 0 /B<@" B= ./B<> /C BC<B ; C HC /=5. 4 =E- = ; 4 H=E4B-@ <-. <B G-./.4B / AC 4A =- : < H=40 B =4 = Q -.H G-=H B@ R < 4A 4 BC /' =>J.HB" C. <GG.<-/' B= C<K. =/B C /' B.5G.-" <4 ; BC B ; C<B C. H< .0 C /' =K." =- C. 0-. ; C /' / ; =-0 <40 <HBE< @/ . ; BC. G==- ; =5<4 =4 BC. /G=B 5=4BC <B.- <40 /C. ; =E 0 C<K. >..4 4E-/ 4A <4 4 <4B <B C=5 .(>EB </' B ; </" B= L..G BC. HC 0 < K. -.ME -.0 BC. < 0 = /EG.- =- G= ; .- Z C<B" =-BE4<B. @" ; </' 4=B ; <4B 4A" <40 BC. A=00.//' # ; <44=4 C<0 .K.-@BC 4A 0=4. BC<B ; </' 4.H.//<-@" .K.4 B= BC. 4 5 4A = BC. HC 0" B<C<HC " <40 B= C<K 4A B >-=EACB EG EG=4 < /=-B = Q B= ..R 5<0. -=5 - H. C<B BC. H- 5. 5 ACB 4=B >. L.GB /.H-.B" BC. A=00.//' < /= H<E/.0 BC. /B=4. G-.K =E/ @ 5.4B =4.0 B= H-@ =EB" <40 < G 4.&B-.. /B<40 4A 4.< **B= H-@ =EB L. ; /. C.4 @=E4A B<C<HC A-. ; EG C. ; .4B B= < / ; =-0&A- 40.-3/" < -) .4A.-=3/" B= .<-4 C /' <-B" <40 ; C . BC.-. =4. 0<@" ; C= /C=E 0 A= 4 B= C<K. C /' / ; =-0 /C<-G.4.0 >EB BC. ; HL.0 $* " ; C= / . ; C /' 5=BC.-) .4A.-=" =4 ==L 4A <B BC. / ; =-0" G-=4=E4H.0 B" < BC=EAC 9=. NH. .4B ME< B@ =- A 4< @" /= ; =-4 <40 ; BC /= BB . /B.. " . B 4 B </' B= >. 4.<- @ E/. .// C /' .0 B= < H=4K.-/<B =4 ; C HC H=4K 4..0 B<C<HC " ; C= =K.-C.<-0 B"

BC<B$ BC.$ $* $;</F BC.$ K.-@$ 5<4$ =4$; C=5$ C.$ 0./ -.0$ B=$ -.K.4A.$ C /$ 5=BC.-3F 0.<BC"6 <40$ BC.$ /G - B.0$ @=E4A$. =;$ <B$ =4H.$ HC< .4A.0$ C 5$ B=$ 5=-B<$ H=5><B$ /C<5.0$ </$ <$ $* $ B=$ -. E/."6 BC=EAC$ 0./ - 4A$ B=$ ./H<G.$ DBC./.$ / ;</CI >EHL .-$ A.4B-@$; C=$ HEB$ <40$ / </C$ <B$ BC.$; .<L$ < ; <@/$ 0=$ 0./ -.$ B=$ ./H<G.$; C.4$ <$ /B-=4A /C$ @=E4A$. =;$ B<HL ./$ BC.5$ `F" C.$ <HH.GB.0$ BC.$ HC< .4A."6 =EACB$ <40$. "6 <40$ BCE/"6 ;</F BC.$ G==-$ 5=BC.-$ <K.4A.0$ >@$ # ;<44=43F ; . &4=E- /C.0$ 3 # $ 40$; C<B$ /$ BC.$ 5=-< V$. "6 BC.$ A-.<B$ 5=-< "6 ; C HC$ B. /$ /=$ 5EHC$ =-$ K -BE."6 /$ =>K =E/(' <40$ <4=BC.-$ /$ BC<B$ BC.$ <G<4./.$ - H.&B= ..$ /$ -.5<-L<> @$ A==0$ ==0$ =-$ HC 0-.4"6 <40$ H<4$ >.$ GE-HC</.0$ .K.4$ B=$ BC /$ 0<@$ <B$ BC.$ B.<I C=E/.$ = $ BC.$ Q$4 ACB&H-@ 4A$ /B=4."R <40$ < /=$ <B$ 5<4@$ <4=BC.-$ B.<&C=E/.$ EG$ <40$ 0=;4$ BC /$ //<L$ 5=E4B< 4"6 <40$ $ 0<-.$/<@$ <B$ <$ A-.<B$ 5<4@$ G <H./$ >./ 0./$ $ B- .0$ <$ BB .$ = $ B$ 5@/. "6 >EB$ $;</F /=$ /E-.$ BC<B$ 5@$ E/B- =E/$ GC@/ H <4"6 -$ .4-@$ C=5G/=4"6 ;=E 0$ 4=B$ H=4/ 0.-$ B$ A==0$ =-$ 5.$ BC<B$ $ /H<-H.$ 0 0$ 5=-.$ BC<4$ B</B.$ B$ =-$ B =$ BC=E/<40$ @.<-/$ <40$ 5=-."6 C=;.K.-"6 B$ C</$ C. G.0$ B=$ 4=E- /C$ <G<4./.$ ><>./"6 <40$ G E5G.-$ HC 0-.4$ $ 4.K.-$ 0./ -.$ B=$ /..

4=BC.-$ =$ BC./.$ 5<BB.-&= & <HB$ /B=- ./$ H<-- ./$ E/$ ><HL$ /B $.<- .-"6 .K.4$ B=$ BC.$ B 5.$ =$ BC.$ .5G.-=-$ #=<4"6 ;C=$ -. A4.0$ -=5$ P 2$ B=$ 2 $ $ <40$ 0 .0$ <B$ BC.$ K.-@$ - G.$ <A.$ =$ P,$ B$ B. /$ =$ <$;=40-=E/$ GC.</<4B$;C HC$ C<0$; 4A/$ <40$ <$ B< $ =-5.0$ =$ /;=-0/"6 <40$;</F BC.-. =-.$ <-$ 5=-.$ B.-- > ."6 .B$ B$ >.$ E40.-/B==0"6 BC<4$ <4@$ G=-HEG 4.$; BC$ 5.-.$ /G.<-/"6 C=;.K.-$ <-A.$ =-/.$ <$ A-.<B$ 0.<$ BC<4$ BC.$ H-E.$ $* $ =$ BC.$ </B$ /B=-@"6 BC /$.-=H =E/$ > -0$ E/.0$ B=$ 0./H.40$ EG=4$ BC.$ 4. AC>=E- 4A$ K <A.$ =$ #=@<&4<L<@<5<"6 H<--@$ = $ G.=G ."6 / <@$ <40$.<B$ BC.5$ C.$ K <A.-/$ 4=B$ E44<BE-< @$ A=B$ /=$; =-- .0$>@$ BC./.$H-E.$0.G-.0<B =4/$BC<B$BC.@$G.B B =4.0$ BC.$ L<0=$ #=<4$ B=$ C<K.$BC.$/;=-0.0$ GC.</<4B$CE4B.0$<40$ L .0"6 <40$C /$5<J./B@$/.4B$0=;4$<$H.-B< 4$$- 4H.$ </C 5</<$ B=$ . .HB$ BC /$ C.$ > -0$;</F /=$ 0 HE B$ B=$ 40"6 C=;.K.-"6 <40$ /=$ <-B E$ 4$ B/$ 0.K H./$ =-$ .K<0 4A$ </C 5</<"6 /=5.B 5./$ <GG.<- 4A$</$<;=5<4$5 N 4A$EG$; BC$BC.$K <A.-/"6 /=5.B 5./$ B<L 4A$BC.$ =-5$ =$ <$ B-.."6 <40$ /=5.B 5./$ 0 /<GG.<- 4A$ < B=I A.BC.-"6 BC<B$BC.$G- 4H.$;</F =4A$0.B< 4.0$ 4$BC.$C=E/.$=$ B<A=

C=J <=H< A.4 .5<4 ; C=/. AE./ C. C<0 >.H=5. = =4A ; </ C. 0.< 4.0 BC< C. . 4 =K. ; BC <@=E4A A - 4<5.0 C -<A L< ; C= C<GG.4.0 = C. <BC. /<5. 5 .5 //<-@ . BC. A=00.// # ; <44=4 <40 < 0<EACB.-= B<A= C=J <40 ; C= -.BE-4.0 BC. =K. = </C 5</< ; BC ; <-5 BC <40 =@< B@ B </B </C 5</< =E40 BC. 4./B = BC. GC.</<4B =4 BC. B=G = < 4. AC>=E- 4A C <40 B==L C / G-.H<EB =4/ =- ><AA 4A B >@ <--<4A 4A < ><5>== /H-..4 ; BC < C= . B= /..BC-=EAC <40 / BB 4A >.C 40 B <-5.0 ; BC < >= ; <40 <--= ; / B BC. GC.</<4B H<5. C.4 B H<5. BC.-. ; </ 4= 5 /B<L 4A B ; BC B/ A .<5 4A /B.. ; 4A/ <40 B/ .@./ ; C HC /G<-L .0 L. /B<-/ <40 </C 5</< <B =4H. >-=EACB B B= BC. A-=E40 ; BC <4 <--= ; BC-=EAC B/ H-E. C.<-B .&4= ; C<0 B= -.BE-4 B= BC. L<0= B= -.G=-B C / /EHH.// <40 G.- =-H. . B C -<A L< >.C 40 /C. 0..5 4A C.-/. </ < K <A. A - E4 B B= <HH=5G<4@ < G- 4H. B= H=E-B <40 /E-. B= 0 /H-.0 B C 5 /C. 0 0 /= ' 4 =-BE4<B. @ C= ; .K.- BC.-. ; </ =4.-./E B = BC. - 5EBE< =K. ; C HC H=E 0 4=B >. H=4H.< .0 =- =4A <40 ; C HC /C. ; </ </C<5.0 B= C<K. L4= ; 4 <40 G==- C -<A L< BC.-. =-. BC=EACB B >.BB.- BC<B /C. /C=E 0 G.- /C C. <HH=-0 4A @ =<0.0 C.- 0-.// ; BC /B=4./ <40 0-=GG.0 4B= < 0..G G<-B = BC. - K.- = BC. -=HL/ >.B ; ..4 #<5. <40 <LE-< ; C HC <-. H< .0 B= BC /0<@ D 0= 4=B /.. ; C@F BC. C-@/<4BC.5E5 <40 C.--@& > =//=5 =HL/ C.4 </C 5</< A=B = 0 <40 ..> . C. . B BC. H=E-B <40 ; .4B <40 /G.4B C / </B 0<@/ <B BC. /G=B <40 0 .0 4 BC. <0J<H.4B K <A. = # LEA< ; <

E-BC.- /B=-@ ; </ H=44.HB.0 ; BC BC. <>=K* 4</5EHC </ B H=4H.-4.0 < ; . ; C HC BC. AC=/B = BC. / ; =-0&GC.</<4B B-=E> .0 <40 H<E/.0 B= >= <40 =<5 C. ; . ; </ =4 BC. B=G = =E4B =L<4?< <40 BC. 4<5. = B ; </ ; <A<0<L@ =B ; BC/B<40 4A BC<B B ; </ < ; . =4 BC. B=G = < 5=E4B< 4 B C<0 <4 E40.-A-=E40 H=44.HB =4 ; BC BC. /.< =- BC. ; <B.- 4 B -=/. <40 . ; BC BC. B 0. @ BC. =<5 4A = BC. ; . < /=-B = H-E/B ; </ =-5.0 ; C HC A=B H=4K.-B.0 4B= < >. : =4. = BC-. . K.-@ <5=E/ >. / 4 <G<4 BC=/. = <40 4=@. >. 4A BC. =BC.-/ BC./. C. / ; .-. H=4/ 0.-.0 A B/ = BC. /.<&A=0 C / ; <A<0<L@ >. C<0 <

K.-@ G.HE <- G-=G.-B@ =- @=E /B-EHL B @=E ; =E 0 =>B< 4 ; C<B.K.- @=E 0./ -.0 <B BC. B 5 .! >EB BC. E 5 .4B = @=E- ; /C ; </ E B 5<B. @ = = ; .0 >@ < B.-- > . G.4< B@ =- @=E ; .-. /.4B B= BC. ; =-/B = < G <H./ ; C HC /C< >. 4<5 .I .// C.-. BC=EAC B / </ .</@ B= /G. < / %C. "R <40 @=4 BC.- =E40 G<-B = BC. ./B<> /C.0 B=-BE-./ B= >. BC<B = /<B / @ 4A 44E5 .-<> . ..HC./ ==0 <40 =BC.- BC 4A/ BC-= ; 4 4B= BC. ; . HE- =E/ @ .4=EAC BE-4 4A 4B= ..HC./ B BC. ==B = BC. 5=E4B< 4 4. <- BC. ; . 3/ 5 =EBC =- /=5 . -.</=4 = C / = ; 4 <40 ; C . BC.- < 5<4 4B-E0.0 EG=4 C 5 <40 BCE/ = .40.0 C 5 4 >. 4A <4A- @ ME./B =4.0 =4 BC. /E>J.HB BC. 5<4 4 =-5.0 - <- 4=>. BC<B C. ; </ /=4 <40 C. -&<GG<-.4B = BC. H=E4B@ $* C=E/. = ?< ; <C =A= <40 BC.-. =-. C<0 BC. - ACB B=.4B.- E4 4K B.0 . <B =4H. B C= ; .K.- <40 HC.- /C.0 BC. 0./ -. B=-.K.4A. C 5/. =4 <- 4=>. =- C / 4/= .4H. . 0.H 0.0 <A< 4/B BC. ; = C / <BC.- ; C=5 C. H=4/E B.0 =4 BC. G= 4B B=/B- L. BC. >. <40 BCE/ =>B< 4 <5G . 5.<4/ =- B<L 4A C / -.K.4A. 4 C / = ; 4 ; <@ = G-.K.4B BC / C / <BC.- ; .4B EG BC. 5=E4B< 4 4 BC. 4 ACB <40 >E- .0 BC. >. =EB = BC. /=43/ ; <@ <40 >E- .0 B /= . .HBE< @ BC<B B C</ 4.K.- / 4H. >..4 =E40 C. /=4 ; </ .NB-. 5 . @ <4A-@ B= 40 B A=4. <40 /.<-HC.0 < A-.<B 0.< =- B .K.4 A= 4A B= BC. .4ABC = >E-4 4A 0= ; 4 < B. 5G . 4 BC. C=G. = 40 4A B <5=4A BC. </C./ .-=H =E/ ; 40 BC.-.EG=4 /G-<4A EG <40 4 B H<5. =4. BC.) =4A.4 A=0/ D0. .0 <G<4./. H. .>- B ./F <40 . BC.- ; 40 =- A=0 =- >=BC B=A.BC.- CE- .0 BC. C. -B ?< ; <C =A= 0= ; 4 < G-.H G H. <40 BCE/ >-=EACB C / >- . H<-..- B= <4 .40 Q <-L"R /<@/ BC. 4<B K. 4<--<B K. Q BC. G= ; .- =) =0"R <40 BC. -.K.-.4B -.<0.- ; 4=B < B= 0= /= BC BC./. K.-@ <4H .4B /B=- ./ 5<@ B @ H=4H E0. BC. -.H=-0 = <4 .K.4 4A <B C 0?E=L< ; C.-. BC.@ ; .-. ; - BB.4 0= ; 4 </ 5@ 4B.-G-.B.-/ -=EAC @ B-<4/ <B.0 BC. 5 -=5 G<G.-/ G HL.0 EG =4 =E- 5=E4B< 4& ; < L 0E- 4A BC. 0<@

$ 6

' & ! # '

. AC B'' /= BE0.'' <40 /= .5 4 B@ = BC. /<H-.0 5 =44B< 4 : 0=-5 <4 -<BC.-
BC<4 <4 .NB 4H K= H<4= : .A.40 = B/ =- A 4 : E B K<B =4 = B/ / =G./
: $ A- 5<A./ B= B/ /E5 5 B : B/ /G .40 0 <GG.<-<4H. : . L.4J '' =-
Q .<- % . ; .5 G .R : .5 G&. B-.4/E-./ : C. L<0=3/ A B/ = A= 0
HEG/ : 4-EA< <@ : /C&O-@ 4A : $-=0EH B =4 = /< B : -- K< <B
/C 5< : C. A-.<B C 4B= B. 5 G . : C . G- ./B <@<0< : =-.
B-.</E-./ : K</. = BC. A=0&G.- =0 : Q) =03/ ==0 R : C. $ =
/C 5<3/ A=0 : =E4B< 4& <@=/ : ! /H=5 =-B = BC. B= E-=I
G.<4/ : Q / ..G <B BC. ; -=4A . 4 0R : G .40 0 /H.4.-@ = BC. <L=40
5=E4B< 4/ : % . ; / = BC. 0?E C / : * C. <G<4./. 4 ACB 4A< . :
=<0/ 0. /H.4./ : EJ 0 /<GG.<-/ 4 BC. 5 /B : $= H. ./H=-B/ = BC.
5 4 /B.-/ : !<4A.-=E/ . .HB/ = =-. A4 G-.//E-. : <L=40 <L. :
#<.5 G .-3/ 0./H- GB =4 : <L=4. A<B. 4 BC. = 0 0<@/ : * =E4B< 4 <40
=-./B >.<EB@ : / ..G 4 < $: * C. .< = <A<5 : C. ><BC/ =
E5=B= : 4<B K. C=B. : N.0 ><BC 4A : Q =4 /= BME 5 < @ G.4/.`R
: E- 4< 0<@ =4 BC. =L< 0= G..0 & BC. ($ 5.4 :
.A .HB.0 /B<B. = BC. A-.<B C AC&-=<0 : .H=40 <-- K< 4 =L = :
C.<-B@ ; . H=5.

/ ; . C<K. 4= ; H=5. 4 E K . ; = BC. A-.<B /<H-.0 5=E4I
B< 4'' <40 /C< C<K. B < 5=/B H=4B 4E< @ >. =-. E/ =- < 0<@
=- B ; = B= H=5.'' BC / <GG.<-/ B= >. < G-=G.- B 5. <40 G <H.
B= /<@ < BB . 5=-. <>=E B B 40 ; =E 0 -/B =>/.-K. BC<B
/. . 4= -.</=4 =- /EAA./B 4A <4@ .NG <4<B =4/ 0.- K.0 -=5
G-= =E40 H=4/ 0.-<B =4/ . BC.- =- B/ >. 4A B-.<B.0 </ <
/<H-.0 5=E4B< 4'' =- =- B/ G-.0=5 4<4H. 4 BC. ; =-L/ =
<-B /B/ = < L 40/ C. A-.<B C. AC B'' /= BE0.'' <40 /= .54
>.<EB@ = BC. 5=E4B< 4 ; =E 0 C<K. C<0 BC./. -./E B/ 4 <4@
H=E4B-@ 4 BC. ; =- 0 4 BC. .<- @ /B<A./ = B/ .'' <40 <
BC./. ME< B ./ ; =E 0 >. ME B. H.-B< 4 B= 5<L.''.K.4 < 0..G.-
5G-.// =4 EG=4 BC. . <40 BC=EACB <40 /.4B 5 .4B = /EHC
< G.=G . </ BC. <G<4./. BC<4 EG=4 BC=/. = 5=/B 4<B =4/

B C</ >..4 /< 0 BC<B BC.-. <-. =4 BC. /E5 5 B = EJ . ACB G.<L/ & ; C HC C<K. >..4 L.4.0 B= BC. . ACB G.B< / = BC. /<H-.0 =BE/& = ; .- <40 BC<B BC / 5<@ C<K. C<0 /=5. 4 E.4H. 4 H=4 -5 4A BC. G=GE <- >. . 4 BC. /<H-.04.// = BC. 5=E4B< 4(<40 BC / 5<@ >. B-E. =- G.=G . ; >. 4 E.4H.0 >@ < 5=/B <4@ L 40 = H=4/ 0.-<B =4 4 BC. ; <@ = H=4 -5 4A BC.5/. K./ 4 >. . / < -.<0@ =-5.0 EB BC. >./B .K 0.4H. = BC. /<H-.0 HC<-<HB.- = EJ / B=C. =E40 BC 4L 4 BC. <HB BC<B .K.-@ G.-/=4 ; C= /G.<L/ =- ; - B./ <>=EB B /..5/ 4<BE-< @ B= -/. 5=-. =- .// 4B= <-.K.-.4B /B<B. = .. 4A </ C. 0=./ /= B C</ <-.< <-/B-=4A <40 <-/= .54/4A 4 E.4H. =4 < ; C= >.C= 0 B K.4 ; C.4 B / K . ; .0 -=5 >.@=40 =BC.- 5=E4B< 4/ B/ /=K.-. A4 HC<-<HB.- / K.-@ /B- L 4A(<40 ; C.4 B / /..4 /G- 4A 4A ; BC =4. B-.5.40=E/ <40 /E> 5. ACB -=5 /.< B= /L@ B / = 5=-. /=K.-. A4 HC<-<HB.- /B < <5 /=--@ B= C<K. B= <05 B BC<B BC.-. <-. 4=B 5<4@ G <H./ =4 BC. =L< 0= -=5 ; C HC BC / / 4A . E4>-=L.4 HE-K. = EJ H<4 C. /..4 .C</ < CE5G : 4=B < K.-@ <-A. =- E4A-<H. E =4. =-BE4<B. @ : EG=4 C / /=EBCI .</B.-4 / 0." L4= ; 4 </ =@. &/<4 ; C HC ; </ BC-= ; 4 EG <B C / </B .-EGB =4 4 BC. @.<- , , < B.- < B.-- > . </C =4 B-.5.40=E/ .<-BCME<L. /C==L .K.4 0 /B<4B G-=K 4H./ <40 -=5 BC. / 0. = EJ <>=EB BC-.. BC=E/<40 ..B -=5 BC. B=G BC.-. >E-/B =EB /EHC 5<//./ = </C./ BC<B G=-B =4/ = BC.5 ; .-. H<-- .0 < CE40-.0 5 ./ < ; <@ C. 4= /. = BC. .-EGB =4 ; </ C.<-0 4 .0=" 5=-. BC<4 /.K.4B@ 5 ./ < ; <@ - -E4B=4 4 C / <-A. 5<G = <G<4 ; C HC C<K. =E40 /= K.-@ E/. E "9 A K./ BC. C. ACB = EJ &@<5 < </ P" . .B <40 0./H- >./ B </ <4 .NB 4HB K= H<4= - ! <-/C< C= ; .K.- 4 C / W =B./ =4 /=5. = BC. %= H<4 H =E4B< 4/ 4 <G<4"3 -.<0 <B BC. / <B H =H .B@" A K./ BC. C. ACB </ 2"P7 . .B : -=5 < K.-@ H<-. E 0.B.-I 5 4<B =4 ; BC<4 =54 5.B.->@ - B. ; <-B = BC.) =K.-4&

C<K. <H=G@ = BC / 5<G >EB </ B / 5=E4B.0 =4 < -= .- 0 0 4=B B<L. B B= <G<4 - H BHC ." BC. <.H=5G /C.0 .4A 4..- = BC. 5G.- < <G<4./. ACBC=E/. 0.G<-BI 5.4B ; </ L 40 .4=EAC B= .40 5. < = 0 4A H=G@ ; C HC ; </ /= K.-@ E/. E 4 ; C<B = = ; / G-=G=/. B= 5<L. < -..' E/. = BC. 4 =-5<B =4 A K.4 4 BC / 4B.-./B 4A G<G.- ; C HC ; </ -.<0 </ -.H.4B @ </ ,

BB.' .<K./' = ' ; C HC' = ' /' .NB-<HB.0'' 5<G .'' . 0.-'' ; =;''
>=N ; ==0'' .BH R' C.' =4 @' G <4B' BC<B' /' /< 0' B=' C.'' =E40'
Z<>=K.' BC.' =-./B' /' <' HE- =E/' =4.' H< .0' * ' ; C HC' /'
/EGG=/.0' B=' HE-.' 0 /.</./ 9' C.' </H.4B' = ' BC /' 5=E4B< 4' /'
<' /<H-.0' G A- 5<A.'' <40' BC.-.' <-.' <HH=-0 4A @' /.K.-< ' -=<0/'
B=' BC.' /E5 5 B'' ; BC' 4 4.' CEB/' =-' /C. B.-/' =4' .<HC ' C.'
/ ACB' = ' BC.' G A- 5/'' 0-.//.0' 4' ; C B.' -=>./'' <40' G-<@ 4A' BG'
BC.' - / 4A' /E4'' /' /< O' B=' A-.<B @' 4B.-./B' =-. A4.-/ ' -'
<-/C< ' <@/' C.' </' L4= ; 4' B ; =' G-' BC-.' CE40-.0' = ' BC./.'
; C B.&-=>.0' 0.K=B../' BE-4' =EB' = ' BC.' 4E5 .-=E/' /C.0/' =4' BC.'
/E5 5 B' Q'<40' HC<4B' BC. -' G-<@.-/' 5=/B' 5. =0 =E/ @' B=' BC.'
- / 4A' -E .-' = ' BC.' 0<@ R' .' <00/Î Q' -=5' BC.' /E5 5 B' = '
EJ ' =4' <' H .<-' 0<@' BC.' K . ;' /' /EG.->' = ' 5=E4B< 4/'' <L./''
& K.-/'' K< .@/'' G < 4/'' <40' /.</' '' ' ' =5.B 5./' BC.' C AC.-'
5=E4B< 4/' <-.' C 00.4' >@' /B=-5@' /.</' = ' /4= ; & ; C B.' H =E0''
>EB' .K.4' BC.4' BC.' 5=E4B< 4..-' .. /' BC.' /G .40=E-' = ' BC.'
/H.4.' <5G .' -. ; <-0' =-' C /' <>=E- R

.<K 4A' C 0?E=L<' .<- @' =4' BC.' 5=-4 4A' = ' BC.' 7BC' = '
<-HC'' ; .' GE-/E.0' =E-' H=E-/.' .</B ; <-0'' E4HC 4A'<B' #<5><-<''
<40' /B<@ 4A' =-' BC.' 4.NB' 4 ACB' <B' /C 5<' E-' -=EB.' <@'
=-' /.K.-<' C=E-/' ; BC' EJ &@<5<' =4' =E-' . B' <40' BC.' /.<'
=4' =E-' - ACB'' <40' </' BC.' 0<@' ;</' =4.' = ' -<-.' 4.4.//'' <40'
= ' K.-@' -. 5<-L<> .' <B5=/GC.- H' H .<-4.//'' ; .' .4J=@.0' /H.4.-@'
; C HC' /' 4=B' B=' >.' /E-G</.0' 4' BC.' ; =- 0 ' =-' /=5.'
C=E-/' BC.' ; C= .' P" ' ..B' = ' EJ &@<5<' ;</' ; BC=EB'
BC.' < 4B./B' GC<4B=5' = ' <' H =E0 : <4' < 5=/B' E4G-.H.0.4B.0'
<HB'' <HH=-0 4A' B=' BC.' =H<' /B<B.5.4B/' 5<0.' B=' E/ : <40'
; C.4' H =E0/' =-5.0' BC.@' 5.-. @' H=4/B BEB.0' <' /= B' = '
.NG.- 5.4B<' 0 /G <@'' </' ' BC.' A=K.-4=-' = ' BC.' 0 /B- HB' C<0'
H<-- .0' C /' H=E-B./@' B=' BC.' .4ABC' = ' /C= ; 4A' E/' C= ;' G-.BB @'
H =E0/' H<4' >.' G-=0EH.0' EG' BC.-.' =EB' = ' 4=BC 4A(C= ;' 5EHC'
/= B.-' BC<4' <4@' / L'' <40' C= ;' 5EHC' 5=-.' B-<4/G<-.4B' BC<4'
<4@' A<E?."' BC.@' H<4' >.' ; =K.4' ; C.4' /E4>.<5/' 4B.- <H.' ; BC'
K<G=E-/' = ' /4= ; (C= ;' / = ; @' BC.@' H<4' /< ' G</B' BC.' /B.<0 </B

Z' 4' <'0 /HE// =4'=4' -' <-/C< 3/' A-= ; 4A' </' <-' EG' </' BC.' /.K.4BC'
G<G.-'' -' 4B= ;' /B<B.O' BC<B' 4' <4' /B<B =4'' <40' C<0' /..4' BE B/' = ' A-</'
</H.4B' = ' EJ &@<5<' ; C HC' C=' C<0' </' <-' EG' .K.4' </' BC.' 4 4BC
5<0.' 4' , ,'' C.' CEO' =E40' G <4B/

G .0' =-' <' /C=-B' B 5 .' >@' BC .' 4= ;' -. A4 4A' L<0='' ; C=' =4H.' /B<@.0' C.-.' =4' <HH=E4B' = ' BC .' /< E>- B@' = ' BC .' G <H. '
.' C< B.0' <40' K / B.0' BC /' B.5G .'' BC .' HC . ' G- ./B' L 40 @' /C= ; 4A' E/' B/' B-.</E-./'' <5=4A' ; C HC' ; .-.' .BB.-/' = '
@.@</E' <40' 0.@=/C ' C.-.' ; .-.' L. ; /.' BC-..' / K.-' HEG/' A K.4' B=' BC .' B.5G .' >@' BC .' G-./.4B' L<0=' 4' -.5.5I
>-<4H.' = ' C /' K / B' -'3 3 '= ' BC./.' HEG/'' ' ;</' 4 =-5.0' BC<B' G.-/=4/' 4= ;' /E>/H- > 4A' B=' BC .' E40/' = ' GE> H' 4/B BEI
B =4/' 4' <G<4' -.H. K.' -=5' BC .' L<0=' <' G-./.4B' = ' HEG/' ' BC .' /E>/H- GB =4' /' = ' B.4' BC=E/<40' 2 ' D0= <-/F' =-' EGI
;<-0/'' BC .' HEG/' <-.' = ' A= 0(' B' C.' .//' BC<4' B.4' BC=E/<40' CEB' = ' =-' =K.-' =4.' BC=E/<40' 2 ' BC .@' <-.' = ' / K.-(<40' '
=-' .//'' BC .@' <-.' = ' /=5.' 5<B.- < ' = ' .//' K< E.' C.' K.4.-<> .' HC . ' G- ./B' = ' BC /' B.5G .' C</' C. 0' BC .' = H.' =-'
BC -B@' @.<-/

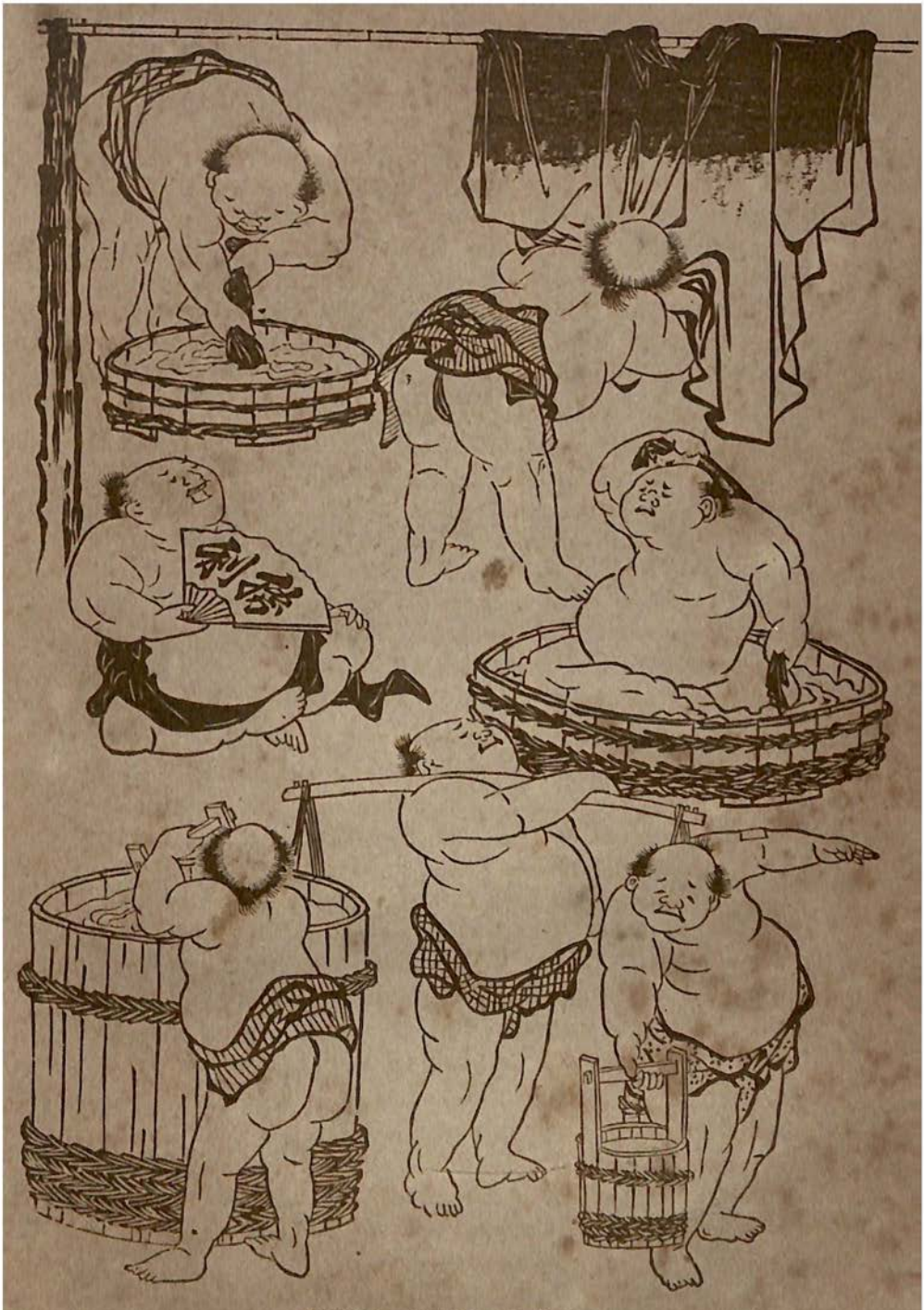
=/B' = ' BC .' K <A./' G<//.0' BC-=EAC' =4' BC .' 0<@' 4= ;' E40.-'
4=B H.' ; .-.' =4' =-' 4.<-' B=' BC .' /C=-.' = ' E-EA<' <@'' < =4A'
; C HC' BC .' =L< 0=' / ; ..G/'' <40' BC .' K <A.-/' ; .-.' <-A. @'
=HHEG .0' 4' 0-@ 4A' /C' =-' 5<4E-. ' C.-.' ; </' < /=' H<-- .0'
=4' 4' <K=E-<> .' G <H./'' <40' =4' <' <-A.' /H< .'' BC .' 5 .BC=0' = '
=>B< 4 4A' /< B' -=5' BC .' /.<'' >@' BC-= ; 4A' /.<& ; <B.-' =K.-'
G-.G<-.0' >.0/' = ' /<40'' <40' < = ; 4A' BC .' /E43/' C.<B' B=' .K<G=-<B.' BC .' ; <B.-' <40' .<K.' BC .' /< B ' C.' <-A./B' - K.-'
H-=//.0' ; </' EJ &L< ; <'' ; C HC' -E4/' 0= ; 4' -=5' BC .' 4 <40'
5=E4B< 4/' G</B' BC .' ; ./B.-4' / 0.' = ' EJ &@<5<'' .4B.- 4A' BC .'
/.' H =/.' B=' BC .' ></.' = ' BC<B' 5=E4B< 4'' B/' 5< 4' HC<44. '
/' <>=EB' /.K.4B@' 5 ./' =4A' C.4' ; .' G<//.0' B' ; </'
= ; 4A' ; BC' / ; B4.//' BC-=EAC' =4.' 5< 4' H 544. ' = ' /E &'
H.4B' ; OBC' B=' H=5G. ' E/' B=' H-=//' 4' .--@&>=<B/' 4' BC .'
<>/.4H.' = ' <' >- 0A.'' >EB' BC .' >.0' = ' BC .' - K.-'' ; C HC' 5E/B'
>.' 4.<- @' B ; =' 5 ./' ; 0.'' ; </' 0-@ ' C-..' B 5./' <' @.<-'
BC .' ; C= .' = ' BC .' >-=<0' >.0' /' H=K.-.0' ; BC' BC .' B=--.4B '
C.' =L< 0=' G-=G.-' H-=//./' BC /' - K.-' >@' <' >- 0A.' 5EHC'
C AC.-' EG(' >EB' ; .' B==L' <' /C=-B' HEB'' <40' ; BC' B' <' K.-@' ><0''
/<40@' -=<0'' /=' BC<B' ' 0=E>B' ' ; .' A< 4.0' <4@BC 4A' 4' B 5. '
' =-' =4.'' C= ; .K.-'' A< 4.0' BC .' .N.-H /.' <40' G .</E-.' = ' BC .'
; < L' <H-=//' BC .' - K.-' >.0'' ; C HC' ; </' K.-@' .4J=@<> . ' B'
=4.' G.- =0' = ' BC .' 0<@'' </' ; .' <GG-=<HC.0' /C 5<'' ; .' =/B' =-

P

A=0 <B BC. < B<-16 <40 C<0 -. 5< 4.0 BC.-. BC. E/E< B 5 .(<40 L. ; /. ; BC < ; - BB.4 0./H- GB =4 = BC. B. 5G .16 <40 /=5. = BC. / 5G .B. 5G .-. 5 . 5>-<4H./ /EHC </ G A- 5/ B<L. < ; <@ ; BC BC. 5 . ; </ A==0 .4=EAC < B.- ; <-0/ B= >- 4A 5. DB= BC. .NH. .4B C=B. <B ; C HC ; . /B<@.0 4 /C 5<F /=5. GC=B=A-<GC/ = BC. B. 5G . ; C HC C. C<0 H=4/ 0.-<B. @ C<0 B<L.4 0E- 4A BC. 0<@ =- BC. GE-G=/. E- C=B. <B /C 5< ; </ BC<B = - < L=16 ; C HC ; </ 4 <05 -<> . H=40 B =416 C<K 4A >. .4 -.4=K<B.0 =- BC. -.H.GB =4 = BC. L<0= =4 C / =L< 0= J=E-4.@

C. 4.NB 0<@ =E- -=EB. <@ =K.- BC. <L=4. 5=E4B< 4/16 BC. G<// = ; C HC16 < BC=EAC >-=<0 <40 4 BC. 5< 4 = 5=0.-<B. A-<0 .4B/16 / 4 G <H./ /= /B..G16 <40 .K.-@ ; C.-. G<K.0 ; BC /EHC <-A. -=EAC /B=4./16 </ B= >. < 5=/B 5I G-<HB H<> . =- ! <40 < BC=EAC16 </ ; . /< ; 16 BC./. BB . H<-- <A./ ; .-. =HH</ =4< @ 0-<AA.0 =K.-16 BC.@ <-. B<L.4 =K.- .5GB@16 BC. G<//.4A.- C<K 4A& B= B-<K. =4 ==B BC. A-.<B.- G<-B = BC. 0 /B<4H. -=5 /C 5< B= <L=4. C. E/E< H=E-/. / BC.-. =-. B= -./=-B B= BC. < # =- ACB H<-- <A.16 >=-4. =4 BC. /C=E 0.-/ = 5.4 EB >. =-. 0./H- > 4A * # .B 5. 5.4B =4 <4=BC.- /=-B = # ; C HC ; . 5.B 4 BC. /B-..B =4 =E- ; <@ =EB = /C 5<16 <40 ; C HC ; </ 4= .//BC<4 BC. # = BC. A=0 B <GG.<-/ BC<B JE/B </ BC. A=0 C<0 <B /. G=4 ./ B= B<L. C 5 =- <- 0. =4 A-.<B =HH</ =4/16 /= C. C</ < # B= /.-K. < / 5 <- GE-G=/. =4 ./B K< 0<@/(<40 BC / =-4<5 .4B< BB . H<-- <A.16 5=E4B.0 G<-B @ <>=K. BC. >.<- 4A&G= ./16 4/B.<0 = >. 4A / E4A >. = ; BC. 516 ; </ BC. # = /C 4 G"3/ A=0 <5 B= 0 BC<B C.-. </ . /. ; C.-. BC. A=0 C</ <B BC. A-.<B ./B K< /16 L4= ; 4 </ Q <B/E-. "R 4= ./// BC<4 =-B@ >.<-.-/16 < 0-.//.0 4 ; C B.16 ; C= / ; <@ -=5 / 0. B= / 0. = BC. -=<016 / 4A 4A /<H-.0 /=4A/16 <40 <B 4B.-K< / C= /B 4A BC. # </ C AC 4 BC. < - </ G=// > . BC. /C=G/ <-. H =/.0 <B /EHC ./B K. B 5./16 <40 BC.-. / A.4.-< -.J= H 4A 40 4 ; C<B =-5 / BC. A=0 V BC. -.<0.- ; </L16 <B .</B C=G. /C.9

g <A-.. ; BC < ; - B.- ; C= -.& -.<0 4A : =-A.B ; C.-. : BC<B ; . H.4B @ /.B =-BC 4 <4 <-B H . ; </ <-. K.-@ 5EHC 4 ; <4B = < G-=4=E4



SOLDIERS IN TIME OF PEACE.

From HOKUSAI. Reproduced for this Work by a Japanese Engraver.

To face page 300, Vol. II.

.4=EAC"¶ 40..0"¶ K.-@ H=5 =-B<> ."¶ B= BC. 4<B K./ = BC. H=E4B-@"¶ >.H<E/. BC.@ <-. C<> BE<B.0 -=5 4 <4H@ B= / B EG=4 BC. - ..B"¶ =- EG=4 BC. ==- ; BC BC. - ..B BE-4.0 E40.- EB =- BC=/. = E/ D E-=G.<4/"¶ 5.- H<4/"¶ <40 =BC.-/F ; C= <-. <HHE/B=5.0 < =E- 0<@/ B= / B =4 HC< -/"¶ B / K.-@ 0 HE B B= </ /E5. <B < BC. G=/ B =4 4.H.//<-@ =- ,H<d,=&/ BB 4A =- 8H<A-=& @ 4A"¶ <40 < 5=/B 5G=// > . B= G-./.-K. B =4A Q 4 BC./. K.C H ./"R /<@/ -)- /"¶ Q < ; <@/ < </ ..G <B BC. ; -=4A.40(5@ C.<0 -.5< 4 4A ; 0. < ; <L."¶ ; C .5@ ..B <-. 4H=-- A > @ /=54= .4B . 4 < /C<G./"¶ -=5 < H= = -=G. B= < G< - = 4K.-B.0 0 K 0.-/"¶ ; BC C.<0 ; -<GG.0 -=5 BC. H= 0"¶ <40 C<-0 @ .4=EAC <H. K / > . B= 5<L. < 5=4L.@ R

. C<0 < K.-@ /E B<> . 0<@ =- H-=// 4A BC./. <L=4. 5=E4B< 4/"¶ BC. <B5=/GC.-.>. 4A H .<- <40 4H 4.0 B= >- ACBI 4.//"¶ >EB ; BC H=4B 4E=E/ /H-..4/ = H =E0 B= G-=B.HB E/ -=5 BC. .-H.- C.<B <40 ACB = BC. /E43/ 0 -.HB >.<5/ . =>B< 4.0 </ ; . </H.40.0 A =- =E/ K . ; / =K.- BC. H=E4B-@ ; . ; .-. .<K 4A"¶ -=5 EJ &@<5 < ; ./B ; <-0 =K.- BC. -E B E C 0?E=L< #.4"¶ <40 /=EBC ; <-0 =K.- BC. 4. ><@ = E-EA< <40 BC. 0?E C /3<40 K< ./ C. -=<0 / G <-.0 =4 . BC.- / 0. BC-=EAC=EB ; BC <4H .4B G 4.&B-../"¶ BC<B 5<L. B L. < K</B H=4B 4E=E/ H<BC.0-< < / ."¶ >EB =4. E4 L. < CE5<4 <-HC B.HBE-. 4 B/ </H.4B/ <40 0./H.4B/"¶ 4 BC. B ; /B.0"¶ H=4I B=-B.0 .<-BC&A-</G 4A HC<-<HB.- = B/ H= E54&G.0./B< /"¶ <40 4 BC. /C B 4A ACB/ <40 /C<0= ; / BC<B /B-.<5 BC-=EAC B/ -E/B 4A -== HH</ =4< @ ; . C.<-0 BC. 5. =0 =E/ 4=B./ = BC. *#* * < ; ==0&> -0 5EHC H. .>-<B.0 < BC. G=.B-@ = BC. H=E4B-@ B C</ < 4=B. L. =4. = BC. >./B Q GC-</./ R = BC. 4 ACB 4A< ."¶ BC. 5E/ H< ; =- 0 ; < = ; BC. .NG-./I / =4 (>EB B/ -<4A. / 5 B.0 B /"¶ C= ; .K.-"¶ < G-.BB@ BC=EAC < >- . > B = 4 ACB 4A< . 5. =0@"¶ <40 / /E H .4B = B/. D< BC=EAC B / 4=B >@ <4@ 5.<4/ < =4.F B= 5<L. <4/ ; .- B= BC=/. ; C= /<@ BC<B > -0&/=4A C</ >..4 =5 BB.0 < B=A.BC.- -=5 BC. 0. ACB/ = <G<4 9 C. *#* * / /< 0 >@ BC.

9 4H. ; - B ! A BC. <>=K. C<K. >@ 5@ - .40 <GB < ; ./"¶ = =L =" >..4 ==L 4A=K.- BC. G== = < G<G.- 0./H- GB K. = < B=E- 5<0. >@ C 5 4

$ N5 0) , . 1 - , . P P

G=.B Q B= H=5. ; <-> 4A ; BC BC. G E5&> =//=5 R 40 </ =4. / C.-. /G.<L 4A = > -0/ B 5<@ 4=B >. <5 // B= <00 BC<B BC-=EAC=EB 5=/B = BC. H=E4B-@ <40 5=-. /B BC-=EAC=EB BC. B= ; 4/ = <G<4 = ; C HC C<K. C<0 .NG.- .4H. BC.-. C</ >..4 < 5<-L.0 <>E40<4H. = C< ; L/ <40 .<A ./ =4 BC. ; 4A : BC./. >. 4A 4 <HB ; BC ; 0 0EHL/ <40 ; 0 A../. BC. > -0/ 5=/B E/E< @ /..4 C.-. . =>/.-K.0 =4 BC / -=<0 BC. G-=H.// = G-.G<- 4A BC. ><-L = BC. = -=G<G.- 5<4E <HBE-. C.-. ; .-. < /= : 5<@ >. < = ; .0 B= K<-@ BC. /E>J.HB = 5@ -.5<-L/ ; BC /=5.BC 4A L. BC. -<G 0 B@ ; BC ; C HC BC. =>J.HB/ = =>/.-K<B =4 K<- .0 =4 BC. -=<0/ 0. : 4E5.-=E/ /5< /C- 4./ <B 4B.-K< / <40 =HH</ =4< @ < -=EAC 5=4EI 5.4B< B<> .B B= BC. 5.5=-@ = /=5. =4A&0.H.</.0 G.-/=4 = .5 4.4H. B ; </ B=EHC 4A B= 4=B. BC<B C.-. C AC EG =4 BC / 5=E4B< 4 -=<0 BC. 5.5=-@ = G.-/=4/ ; C= C<0 >..4 0.<0 =- H.4BE- ./ ; </ L.GB A-..4 /B > @ < K 4A C<40 G <H 4A >. =-. BC. /B=4. 4 < > B = ><5>== H<4. < >-<4HC = -./C /G- 4A K.-0E-.

E- C<-0 ; < L =K.- BC. 5=E4B< 4 ; </ -. .K.0 >@ -.ME.4B /B=GG<A./ =- -./B <40 BC. / ACB >EB ; . H=5. -. -./C5.4B = < HEG = <G<4./. B.< C.-. ; .-. 4E5.-=E/ B.<&C=E/./ >@ BC. ; <@ <40 <B <4@ = BC.5 BC / H=E 0 >. A=B(>EB C<K 4A BC. C=4=E- = B-<K. 4A ; BC < H<> 4.B 5 4 /B.- = BC. H=E4B-@ <40 =4. = BC. 5=/B BC=EACB E <40 L 40 @ = C=/B/ =E- 4.H.// B ./ C<0 < >..4 <4B H G<B.0 >@ C / = H.-/ =- >@ BC=/. = BC. # .4 =- H=E4B@ =4A ; <@ EG BC. 5=E4B< 4 ; . C< B.0 <B < /G=B ; C.4H. BC. K . ; ; ./B ; <-0 ; </ BC=EACB B= >. BC. 4./B =4 BC. G<// <40 ; C.-. H=4/.ME.4B @ < BB . K . ; &C=E/. C<0 >..4 .-.HB.0 =- C / 5<J./B@ BC. .5G.-=- =4 C / J=E-4.@ G-.K =E/ @ 5.4B =4.0 E- K . ; = BC. A-.<B /= B<-@ L 4A = 5=E4B< 4/ EJ ; </ < -.<0@ >@ =E- HC<4A.

BC. 4B.- =- = <G<4 4 ; C HC 40 < / 5 <- K . ; /B<B.0 B.-0./H- >I 4A BC. 0. H =E/ G.- E5. = BC. < - </ 4=B E4 L. B . -<A-<4H. = DC. 5.<0=; &/ ; . B <B C=5. C. =00/1 Q C / H=5>4.0 ; BC BC. H .<- 4=B. = BC. HEHL== ; C HC /=E40.0 G .<I /<4B @ BC-=EAC BC. ; ==0/ BC. ; <-> . = BC. 4 ACB 4A< . <40 BC. C<-/C.- /=4A = BC. J<@ ; C HC ; .-. C.<-0 < <-=E40 0=./ H.-B< 4 @ -<BC.- EG/.B BC. BC.=-@ = /=5. ; - B.-/ ; C= </ /.-B BC<B W <G<4 / < H=E4B-@ 4 ; C HC BC. > -0/ 0= 4=B / 4A <40 BC. =; .-/ C<K. 4= /5. 3R

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= ʿG=/ B =4'ᶠ A.BB B Aʿ/.- =E/ @ʿH=5G-=5 /.0ʿ>@ʿ=BC.-ʿ 5=E4B< 4/ʿ 4B.-K.4 4A'ᶠ <40ʿC.ʿC<0ʿ0=44.0ʿ <ʿ /=-Bʿ = ʿC. 5.Bʿ =-ʿ H-= ; 4ʿ = ʿ H =E0(<ʿ BB .ʿ <B.-ʿ=4ʿC.ʿ>.H<5.ʿ L.ʿ=E-ʿ= ; 4ʿ# 4Aʿ -BCE-'ᶠ =4ʿBC.ʿ4 ACBʿ = ʿC /ʿ 4< ʿ .<K.&B<L 4Aʿ -=5ʿBC.ʿME..4'ᶠ =-ʿBC.ʿ -= 4Aʿ K<G=E-

?ʿ 4 ; =E40ʿ C 5ʿ = 0ʿ >@ʿ = 0'ᶠ <40ʿ 5<0.ʿ C 5ʿA-<@'ᶠ ʿ
40ʿA-<@.-'ᶠ B ʿC 5/. ʿ>.H<5.ʿ</ʿ 5 /B"R

<40ʿC.ʿ ; </ʿ /..4ʿ <A< 4ʿ4=ʿ 5=-.ʿ>. =-.ʿBC.ʿH =/.ʿ= ʿ=E-ʿJ=E-4.@ʿ B=ʿBC.ʿH<G B<

==4ʿ < B.-ʿBC.ʿ0./H.4Bʿ H=5 5.4H.0ʿ ; .ʿ -.<HC.0ʿBC.ʿ0 K 0 4Aʿ 4.ʿ >.B ; ..4ʿBC.ʿ #.4/ʿ = ʿ C 0?E=L<ʿ <40ʿ #<4<A< ; <'ᶠ ; C HCʿ ; </ʿ 4=B .0ʿ>@ʿ4=B H.&G=/B/'ᶠ <40ʿ ; </ʿ E-BC.-ʿ 5<-L.0'ᶠ 4ʿ BC.ʿ G-./.4Bʿ 4/B<4H.ʿ>@ʿ <ʿ HC<4A.ʿ = ʿG= H.'ᶠ Bʿ>. 4Aʿ <4ʿ =-0.-ʿ = 'ᶠ BC.ʿ .5G.-=-ʿ B=ʿ BC.ʿ A=K.-4 4Aʿ>=0 ./ʿ = ʿBC.ʿ#.4/'ᶠ / 4H.ʿBC.ʿ 5E-0.-ʿ = ʿBC.ʿ <B.ʿ 5 4 /B.-9ʿ LE>='ᶠ BC<Bʿ H<> 4.Bʿ 5 4 /B.-/ʿ B-<K. 4Aʿ 4ʿBC.ʿ 4B.- =-ʿ /C< ʿ>.ʿ <BB.40.0ʿ>@ʿ <ʿ /5< ʿ./H=-Bʿ = ʿG= H.ʿ =5.ʿG.=G .ʿ ; C=ʿ =>/.-K.ʿBC /ʿ G= H.ʿ./H=-Bʿ JE5Gʿ B=ʿBC.ʿH=4H E/ =4ʿBC<Bʿ BC.ʿ 5 4 /B.-/ʿ K.ʿ 4ʿ .<-ʿ =-ʿBC. -ʿ K./'ᶠ <40ʿBC<Bʿ Bʿ /ʿ >@ʿBC.J@ʿ = ; 4ʿ0./ -.ʿBC<Bʿ BC.ʿ./H=-Bʿ /ʿG-=I K 0.0ʿ(; C.-.</ʿ ʿ<5ʿ₩> .ʿ B=ʿ /B<B.ʿ -=5ʿG.-/=4<ʿL4= ; .0A.ʿ <40ʿ.NG.- .4H.ʿBC<Bʿ BC.ʿ./H=-Bʿ /ʿ . Bʿ>@ʿ/=5.ʿ= ʿBC.ʿ 5 4 /B.-/ʿ B=ʿ>.ʿ -L/=5.ʿ-<BC.-ʿBC<4ʿ =BC.- ; /.'ᶠ <40ʿ /ʿ /E>5 BB.0ʿ B=ʿ 4ʿ 0. .-.4H.ʿB=ʿBC.ʿH=5 5<40/ʿ= ʿC /ʿ 5<J./B@ʿ =ʿ /EHCʿBC 4Aʿ </ʿ <ʿ A.4.-<ʿ .<-ʿ =-ʿBC.ʿ K./ʿ = ʿBC.ʿ5 4 /B.-/ʿ /ʿG-=><> @ʿ . Bʿ . BC.-ʿ>@ʿBC.5/. K./ʿ =-ʿ>@ʿC /ʿ 5<J./B@(>EBʿBC.ʿH=E4B-@ʿC</ʿ E40.-A=4.ʿK</Bʿ HC<4A./ʿ 0E- 4Aʿ BC.ʿ </Bʿ .;ʿ@.<-/'ᶠ <40ʿK</Bʿ HC<4A./ʿ = ʿ4.H.// B@ʿ>.A.Bʿ0 //<B / <HB =4ʿ ='ᶠ 5<4@'ᶠ <40ʿBC.-.ʿ /ʿ < ; <@/ʿ <ʿ - /Lʿ BC<Bʿ <5=4Aʿ 5<4@ʿ0 //<B / .0ʿBC.-.ʿ 5<@ʿ>.ʿ C.-.ʿ<40ʿBC.-.ʿ<ʿ <4<B Hʿ ; C=ʿ ; =E 0ʿ-.K.4A.ʿC 5/. ʿ 4ʿ > ==0ʿ ʿC.ʿH=E 0'ᶠ <40ʿBC /ʿ /ʿ 4=ʿ0=E>Bʿ BC.ʿ -.</=4ʿ ; C@ʿBC.ʿ .5G.-=-ʿ 0./ -./ʿBC<Bʿ =-ʿBC.ʿG-./.4Bʿ C /ʿH<> 4.Bʿ<0K /.-/ʿ /C=E 0ʿE/E< @ʿ C<K.ʿBC.ʿ G-=B.HB =4ʿ = ʿ . BC.-ʿ <ʿ 5 B<-@ʿ=-ʿ H K ʿAE<-0ʿB=ʿ G-.K.4Bʿ <Bʿ .</Bʿ <4@BC 4Aʿ L.ʿ C</B@ʿ =-ʿ H</E<ʿ <BB.5GB/ʿ <A< 4/Bʿ BC.5ʿ 4=BC.-ʿ -.</=4ʿ =-ʿBC.ʿG-.H<EB =4ʿ /ʿB=ʿ>.ʿ =E40ʿ 4ʿBC.ʿ <HBʿBC<Bʿ BC.ʿ 5 4 /B.-/ʿ <-.ʿ H=4/ 0.-.0ʿ>@ʿBC.ʿ G.=G .ʿB=ʿ>.ʿG.HE <- @ʿ-./G=4/ > .ʿ =-ʿBC.ʿ-.AE <B =4/ʿ ; C HCʿ =-. A4ʿ G= ; .-/ʿ 5G=/.ʿEG=4ʿBC.ʿA=K.-45.4Bʿ = ʿ <G<4'ᶠ <40

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; C HC <-. L4= ; 4 B= A K. B= =-. A4.-/ 5<4@ G- K .A./ <B BC. .NG.4/. = BC. 4<B K. G=GE <B =4 C / /< G.-G.BE< /=E-H. = 0<4A.- B= BC. A=K.-45.4B

B.- HC<4A 4A AE<-0 <40 H=5 5.4H 4A BC. 0./H.4B B=I ; <-0/ <L=4." ; . H<5. EG=4 < 4. K . ; = BC. G-.BB@ BB . <L. = BC<B 4<5." ; C HC C</ <4 <-.< = V> /ME<-. 5 ./" <40 EG=4 BC. ><4L = ; C HC /B<40/ BC. K <A. 9 - <-/C< " 4 BC. G<G.- < -.<0@ ME=B.0" B. / E/ BC<B <L. <L=4." L. K.-4E/" / EGG=/.0 B= C. <4 <4H .4B H-<B.-" <40 ME=B./ ; C<B #<.5G .- ; -=B. 4 C / 0./H- GB =4 = C / J=E-4.@ B= BC. H=E-B = BC. C=AE4 4 " ; C.4 C. G<//.0 BC. <L. <>=EB BC. 5 00 . = <-HC" <40 BC.-. =-. <B BC. /<5. G.- =0 </ BC<B<B ; C HC ; . G<//.0 B . ; -=B. Î Q C / <L. / .K.-@ ; C.-. /E--=E40.0 ; BC C AC 5=E4B< 4/" ; C HC /CEB B EG =4 >=BC / 0./ 4 /EHJ < 5<44.- BC<B BC.-. / 4= -==5 B= <GG-.C.40 B/ =K.- = ; 4A BC. <0J<H.4B H=E4B-@ C=EAC BC. 5=E4B< 4/ BC<B .4H=5G</ B >. = < K.-@ A-.<B C. ACB" @.B BC. B=G = EJ &@<5<- /./ /B C AC. *>. 4A /..4 B= BC. >@ BC. 4C<> B<4B/ = =A B/E D <L=4.F . ; .-. B= 0 BC<B 4 =-5.- B 5./ BC / G <H. /<4L 4 >@< K = .4B .<-BCME<L." <40 BC<B 4 .E = B /G-<4A EG BC / <L. 4 G-== = BC / BC.@ <0K<4H. BC. A-.<B ME<4B B@= *# =-H.0<- B-E4L/ = <4 E4H=5 5=4 / ?. ; C HC .<B BC. >=BB=5" <40 <-. .BHC.0 EG -=5 BC.4H. >@ 0 K.-/" ; C.4 BC. =-0 = BC. G <H. H=5 5<40/ B" =-< C<BC =HH</ =4 =- BC.5 =- BC. 4. AC>=E-I C==0 G-=0EH./ .K.-@ ; C.-. A-.<B G .4B@ = BC / B-.." <40 BC. B< ./B <40 4./B H.0<-/ BC<B <-. B= >. =E40 <4@ ; C.-. 4 <G<4 C. <L. = <L=4. >. 4A .4B -. @ /E--=E40.0 ; BC 5=E4B< 4/ C<BC 4= =BC.- =EB .B >EB BC-=EAC =4. = BC./. 5=E4B< 4/" >. 4A BC. /<5. ; C HC / H< .0 EB<A=&@<5<" <40 ; C HC .B/ BC. ; <B.-/ H=5. BC-=EAC BC-.. 0 .-.4B =G.4 4A/" -=5 ; C.4H. BC.@ < 0= ; 4 BC. 5=E4B< 4&/ 0. 4 BC. 4<BE-. = H<B<-<HB/ B= < H=4/ 0.-<> . C. ACB" <40" /==4 -.H. K 4A =BC.- - KE .B/ -=5 BC. 4. AC>=E- 4A 5=E4B< 4/" =-5 BC. 5&

_ C / <40 C. 4. AC>=E- 4A K I <40 5=-. ./G.H < @ = BC. - 4 < 0 <A./ </ <- =4 </ E5=B= <-. 4=B.0 ; =-L C=G/ =- BC. /< . = BC. 5 =- BC. .NH. .4H. <40 HC.<G4./ = <> =E40 4 < BC./. K <A./ BC. - =-4<5.4B< <-B H ./ 4 ; ==0"

%Y

/. K./ 4B=< - K.-" & ; C H ; BC< - ACB E 'C=-- 0 4= /.' H-=//./ BC.'K< .@" -E44 4A 0= ; 4 =K.-/B=4./ <40 /=5.B 5./ G-.H G H./ B= ; <-0/ BC.'/.< R 4 BC / </B /.4B.4H.' C.' -. .-/" /<@/ - <-/C< " B=' BC.'- K.-' <@<" ; C HC = ; / BC-=EAC BC.' [@<4=& /C B<" ; C HC /' -.< @' BC.' =EB .B = ' BC.' <L.(<40 C.' ; </ .0 >@' BC.' G.=G .' = ' <L=4.' 4B=' BC.' .--=-' -.A<-0 4A' BC.' H=44.HI B =4' >.B ; . .4' BC.' <@<' <40 BC.' <L.'>@' BC.' G.=G .' B. 4A' C 5' = '<4' <-B H < ' =EB .B ; C HC BC.' <-5.-/ =4' BC.' =BC.-' / 0.' = ' BC.' 5=E4B< 4/" B=9BC.' ; ./B = 'BC.' <L.' 5<0.' 4' =-0.-' B=' /.HE-.' ; <B.-' =-' BC. -' . 0/ 4' < ' /.</=4/ ' C / / < BE44. 'G .-H 4A' BC.' 5=E4B< 4/" <40 / <4' .4A 4. .- 4A' ; =-L' = 'A-.<B' 5<A4 I BE0."-.ME - 4A' 5EHC /L ' =-' B/' .N.HEB =4 ' -' <-/C< ' 5<L./ 4=' -. .-.4H.' B=' BC.' <A.' = 'BC / A-.<B' .4A 4. .- 4A' ; =-L(>EB' -") - / /B<B./' BC<B' B' ; </ G.- =-5.0' H.4BE- ./ <A=" %<40 4= ; ' BC-=EAC BC.' -=HL@' / E H./ = ; / < ==0 /E H .4B' B=' .4- HC BC.' 5 =4/' = '<H-./' = ' E-EA< G-=K 4H. R

4' G</// 4A' =EB' = ' <L=4.' ; .' /< ; ' BC.' / B.' = ' BC.' = 0 =L< 0=' A<B."<40 BC.' -. 5< 4/' = 'BC.' A<B.' >E 0 4A/ ' 4' BC.' 0<@/' = ' BC.' @H==4/' BC / =L< 0=' C AC -=<0 ; </ > =HL.0 >@' BC-. .' 0. .4/ > .' A<B./" ; C HC G.=G .' ; .-.' < = ; .0 BC-=EAC =4 @' ; BC G<//G=-B/ ' C./.' A<B./ ; .-.' L4= ; 4 </) ' </ < -.<0@' 4B 5<B.0" <40 <GG.<-' B=' C<K.' >. .4' L.GB' ; BC A-.<B' H<-.' 0= ; 4' B=' BC.' H =/.' = 'BC.' @H==43/ A=K.-45.4B" </ ' C<K.' C.<-0 -=5' BC=/.' ; C=' B-<K. .0 =K.-' BC.' =L< 0=' 4' H=5G<-<I B K. @' -.H.4B' B 5./ = 'BC.' 0 HE B./ .NG.-.4H.0 4' A.BB 4A' ME HL @' BC-=EAC BC.' A<B./" <40 = ' BC.' 4/ /B.4H.' = ' BC=/.' 4' HC<-A.' EG=4' < 'G<//.4A.-/" .K.4' BC.' / HL' <40 ; .<L" < ACB 4A' -=5' BC. -' < # ' B=' G</' BC-=EAC ' 'C<K.' < /=' C.<-0" C= ; .K.-" BC<B' .K.4' BC.' = H.-/ = ' BC.' B.-- > .' @H==4' ; .-.' 4=B' <B' < ' B 5./ 5=-.' <>/= EB. @' 4H=--EGB > .' BC<4' =BC.-' /EHC E4HB =4<- ./" <40 BC<B' BC.' G<//<A.' ; </ <H B<B.0 >@' < 0E.' -.A<-0 B=' BC.' 4<4H < ' H=4K.4 .4H.' = ' BC.' Q =>/B-EHB K./ R' C.') ' 4' BC.' .E0<' 0<@/" ; C HC ; .-.' 0<@/' = ' .E0/" ; .-.' 5G=-B<4B' /B-<B.A H' G= 4B/" <40 BC. -' / B./ ; .-.' = ' H=E-/.' /=' /. .HB.0 BC<B' BC.@' 5 ACB' >.

C.' -=<0 >.@=40 BC.' = 0 <L=4.' A<B." A= 4A' .</B ; <-0/' D</' ; .' ; .-.F" - /./ <A< 4' =HH</ =4< @" >EB' B=' 4=' K.-@' A-.<B' .NB.4B : ' 5@' =>/.-K<B =4' -=5' < 2 $ " # ' 4' < 4.<- @

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C=- ?=4B< G=/ B =4 5<@ C. B-E/B.0 : >EB BC.-.*X ; .-. =4A 0./H.4B/ ; BC 5<4@ K.-@ /B..G <40 ; 40 4A G <H./ B= C. 5<0. >. =-. =E- 0./B 4<B =4 E5=B= ; </ -.<HC.0 C. /H.4.-@ ; </ 4. <40 =- BC. A-.<B.- G<-B ; ==0.0 ; BC < B=--.4B BE5> 4A 0= ; 4 BC. K< .@ <40 BC. C.0A./ .4I K.4.0 >@ K = .B/ <40 >@ < K<- .A<B.0 ><5>== G <4B ; BC A-..4 <40 @. = ; 4 .<HC /B.5 <40 .< B >. 4A < ><0 BC 4A B= A= B= / ..G E40.- /EHC H -HE5/B<4H./ < BC=EAC /B 0 0 ; C<B H=E 0 B= <K= 0 B">EB BC. .</@ /@4HC-=4=E/ /=4=-=E/ 5=K.5.4B/ = BC. # BC. E 4A BC=EAC C< I / > <4B K= H. = BC. B=--.4B BC. /==BC 4A >.<EB@ = BC. A-..4 < / . BC-=EAC ; C HC =4. ; </ A 0 4A <40 5=/B = < BC. <B AE. = < =4A 5=E4B< 4 ; < L /EHH..0 4A < /C=-B 4 ACB3/ / ..G ; .-. /=5.B 5./ <40 /C=-B B 5./ =K.-G= ; .- 4A <40 C<0 B= @ . 0 B= BC.5 ' 4 L. -) - /" C= ; .K.- ; .4B B= / ..G <B BC. - ACB .40 H=5G .B.0 BC. </B B ; = 5 ./ = BC. J=E-4.@ =4 ==B" B.5GB.0 >@ BC. A 5G/./ <C.<0 = BC. >- ACB <40 >.<EB E .< = <A<5 " =EB = ; C HC =G.4/ BC. ><@ =4 ; C HC /B<40 >=BC =L=C<5< <40 =L = C. .<-BC 0- 4L/ EG 4.<- @ < BC. ACB BC. /E4 /C.0/ =4 B ! >EB BC. ; <B.- -. .HB/ < G<-B = B" <40 /= >- ACB.4/ BC. <40/H<G. ; BC /C..B/ = ACB B /" 4= 0=E>B" BC / -.I .HB =4 = BC. ACB : ; C.BC.- = BC. 0 -.HB -<@/ = BC. /E4 =- = -<@/ < -.<0@ -. .HB.0 -=5 /L@ =- H =E0 : BC<B A K./ B= ; <B.- G<-B = BC. HC<-5 ; C HC =4. 4.K.- < / B= .. 4 BC. G-./.4H. = - K.-" <L." =- /.<

E- 0<@3/ ; =-L B.-5 4<B.0 4 < 4. ; " <40 </ @.B E4I 4 /C.0" C=B. " ; BC < E-=G.<4& ==L 4A .NB.- =- <40 < GE-. @ <G<4./. 4B.- =- B H=4B< 4/ < H=EG . = > <BC/ = BC. C=B&/G- 4A ; <B.- = E5=B= <40 / >.<EB E @ / BE<B.0 =4 BC. ><4L = BC. -./=-50 4A - K.- BC<B .<G/ <40 /H-<5> ./ 0= ; 4 B= BC. K< .@ C. <40 =-0(- < L= 0=./ 4=B L. E-=G.<4/ =- 5.- H<4/ ; </ B= 0 : <B .</B C. /.B/ C / <H. <A< 4/B C<K 4A BC.5 </ AE./B/ 4 C / C=B. " >.H<E/. ; C . C. B<L./ < A-.<B G- 0. 4 C<K 4A B H .<4 <40 >- ACB" <40 4 G.- .HB <G<4./. =-0.- " BC.@ C<K. 4=B BC. A==0 5<44.-/ B= B<L. BC. - >==B/ = <40 >.C<K. </ >.H=5./ BC. G <H. C.-. =-. C. =>J.HB.0 K.-@ /.- =E/ @ B= 5@ /=4

<40 5@/. A= 4A BC.-. </ 4K= K 4A <4 4 - 4A.5.4B = < -E . ; C HC C. 4B.40.O B= >. <>/= EB. <40 B= 5< 4B< 4 E4>-=L.4 <40 C= ; C / =>J.HB =4 ; </ A=B =K.- 0=43 L4= ; EB B ; </ A=B =K.- <40 ; . =E40 =E-/. K./ 4 HC<-5 4A ME<-B.-/ 5<L 4A 0E. < = ; <4H. D</ @=E < ; <@/ 5E/B 5<L. 4 < C=E/. = <G<4./. /B@ .F =- BC. <>/.4H. = <4@ ; <-5BC >.@=40 ; C<B H<4 >. A=B =EB = /5< =G.4 HC<-H=< -./ 4 6 <40 L. ; /. =- BC. G-./.4H. = 0-<EACB/ < -=E40 @=E C. >./B ; </ C= ; .K.- 0=4. ; BC /H-..4/ </ E/E< 4 /EHC H</./ <40 BC. >./B ; </ 4=B ><0 4 WBC / H</.

== <B AE.O B= / ..G 5EHC 4.K.-BC. .// ; </ A <0 ; C.4 / N =3H =HL H<5. <40 ; BC B BC. G-.G<-<B =4/ =- BC. </B /B<-B = =E- =L< 0= B- G . =-.3 .<K 4A == L.O H<-. E @ BC-=EAC - < L=3/ C=B. <40 =E40 B K.-@ 4B.-./B 4A B ; </ 5=/B .NH. .4B @ CE B </ -.A<-0/ ; =-LI 5<4/C G <40 /.K.-< >.<EB E ; ==0/ ; .-. E/.0 4 B/ H=4I /B-EHB =4 4 < H</./ >. 4A . B </ E/E< 4 <G<4 E4B=EHC.O >@ G< 4B =- G= /C =5. = BC. H. 4A/ ; .-. =-5.O = G <4L/ HEB -=5 < B-.. 0EA -=5 /EHC < 0.GBC >. = ; BC. /= <40 4 /EHC < G=/ B =4 </ B= G-=K. BC<B B ; </ = A-.<B <4B ME B@ 5. <40 0<-L4.// <40 BC. A-<K. C<0 =4 @ K.4.0 <40 /B< 4.0 B ; BC G.HE <- >.<EB@ <40 < 0 4 /B-<L./ < B.-4<B 4A ; BC =BC.-/ = 5=0.-4 ; ==0 B C<0 < K.-@ >- ACB <40 G .</ 4A . .HB 4=BC.- H. 4A ; </ =-5.O ; BC G <4L = .NB-.5. >-.<0BC <40 H .<-4.// = B.NBE-. <40 ; </ ME B. < HE- =/ B@ = H=4/B-EHB =4 C. C=E/. C<0 =BC.- H=4/B-EHB K. 5.- B/ ; C HC 4..O 4=B 0 ; . =4 H=4 .// C= ; .K.- BC<B ; </ < BB . /B<-B .O B= 409BC. = O <G<4./. /@/B.5 = < H=55=4 ><BC =- 5.4 <40 ; =5.4 G-./.-K.O 4 BC / >.<EB E 5=0.-4 ./B<> /C5.4B C.-. ; .-. >EB B ; = ><BC/ B= BC. C=E/. =4. GE> H 4 ; C HC <0 ./ A.4B .5.4 <40 @=E4A G.=G . = >=BC /.N./ ; .-. /EGG=/.O B= -. -./C BC.5/. K./ <40 BC. =BC.- < G- K<B. ><BC BC. G- K<H@ = ; C HC H=4/ /B.O /= . @ /= <- </ H=E O /.. 4 < G<-B B =4 /.G<-<B 4A G<-B = B -=5 BC. =BC.- BC. ><BC B/. >. 4A =G.4 4 -=4B G-./E5. - < L=3/ 5=BB= / Q =4 /= B ME 5< @ G.4/. R

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BC.' @H==4'' ' ;</' ME B.' </B=4 /C.0' <B' BC.' /B<B.' 4' ; C HC' ' /< ;' B' 4' 5=/B' =' BC.' B= ; 4/' <40' K <A./' BC-=EAC' ; C HC' B' G<//.0' 4.' ;=E 0' C<K.' .NG.HB.0' BC<B'' BC.' G-./.4H.' =' <' G=GE =E/' B= ; 4'' ; C.-.' <>=E-' 5E/B' C.' HC.<G'' ; C .' =4' BC.' =4.' C<40' 4H-.</ 4A' B-< H' <40' 0<5<A 4A' BC.' C AC ; <@'' ; =E 0' =4' BC.' =BC.-' >.' 5<0.' <K< <> .' =-' 5=-.' BC<4' H=5I G.4/<B 4A' =-' BC.' .NB-<' B-< H'' <40' =-' L..G 4A' BC.' -=<0' 4' <' BC=-=EAC @' /<B / <HB=-@' /B<B.' EB' BC.' H=4B-<-@' /' BC.' H</.'' <40' BC.' =H<' B-< H' /' < = ; .0' B=' 0./B-=@' BC.' C AC ; <@' ; BC' /..5 4A' 5GE4 B@'' <40' BCE/' B=' .4B< ' EG=4' =4A&J=E-4.@' B-<K. .-/' 0. <@/'' <B AE./'' <40' .K.4' 0<4A.-/' ; C HC' <-.' ; C= @' E44.H.//<-@' ' <5' ME B.' < ; <-.' BC<B' = ; 4A' B=' BC.' <>= B =4' =' BC.' ! < 5 =' B-< H'' <40' BC.' .N /B.4H.' =' /B.<5I /C G' H=5 5E4 H<B =4' >.B ; ..4' BC.' =-5 .-' <40' G-./.4B' H<G B< /'' BC.' =L< 0=' C</' >.H=5.' <' .//' -.ME.4B.0' C AC ; <@' BC<4' B' ; </' < =-.B 5.(>EB' =4' BC.' =BC.-' C<40' BC.' 5< 4B.4<4H.' <40' 5G-=K.5.4B' =' B/' 4B.-4< ' 5.<4/' =' H=5 5E4 H<B =4' <-.' =' /EHC' A-.<B' 5G=-B<4H.' B=' BC.' H=E4B-@'' <40' BC.' ; ./B.-4' G<-B' =' BC.' =L< 0=' /' /=' ; . ' L.GB' >.B ; ..4' BC.' B= ; 4/' <40' K <A./'' BC<B' =4.' H=E 0' 4=B' >EB' H=4B 4E< @' -.A-.B' BC.' <>/.4H.' =' /<B / <HB=-@' 5.<4/' =-' H=5G. 4A' BC.' =H<' G.=G .' B=' L..G' BC.' 5< 4' -=<0' A==0*40' . H .4B' ; BC 4' BC. -' =;4' 5 B/ EB' ; C.BC.-' BC.' =L< 0=' >.' A==0' =-' ><0'' =E-' J=E-4.@' EG=4' B' ; </' 4=;' =K.-' C.' 4B.- =-' =' <G<4' C<0' / ; .GB' G</B' E/' =-' 5<4@' 0<@/'' 0.H=-<B 4A' BC.' C< ' =' 5.5=-@' ; BC' 5<4@' <'&/G .40 0' G HBE-.'' 4=B' B=' >.' =-A=BB.4' E4B ' B/' ; < /' BE-4' <A< 4' B=' 0E/B' B' BC.' #<4<A< ; <' -< ; <@' /B<B =4' ; .' ; .-.' 5.B' >@' 5<4@' - .40/'' - G=4' /.K.-<' =' ; C=5' BC.' 4<K<' E4 =-5' A BB.-.0' 4' BC.' < B.-4==4' /E4' ' .;' 5 4EB./' 5=-.' <40' ; .' ; .-.' /G..0 4A' ><HL' B=' BC.' H<G B<' >.C 40' BC.' C=-/.' =' -.(<40' @.B' <' .;' 5 4EB./' 5=-.' <40' ; .' ; .-.' =4H.' <A< 4' E40.-' <' -==' ; C.-.' L 404.//' > ==5/' H=4B 4E< @'' <40' <A< 4' BC.' AE./B/' =' <' C=/B.//' ; C=/=' A.4B .' >EB' C.<-B@' ; . H=5.' /E .-.0' 4=BC 4A' -=5' C.-' ; <4B' =' 4A /C' ; =-0/

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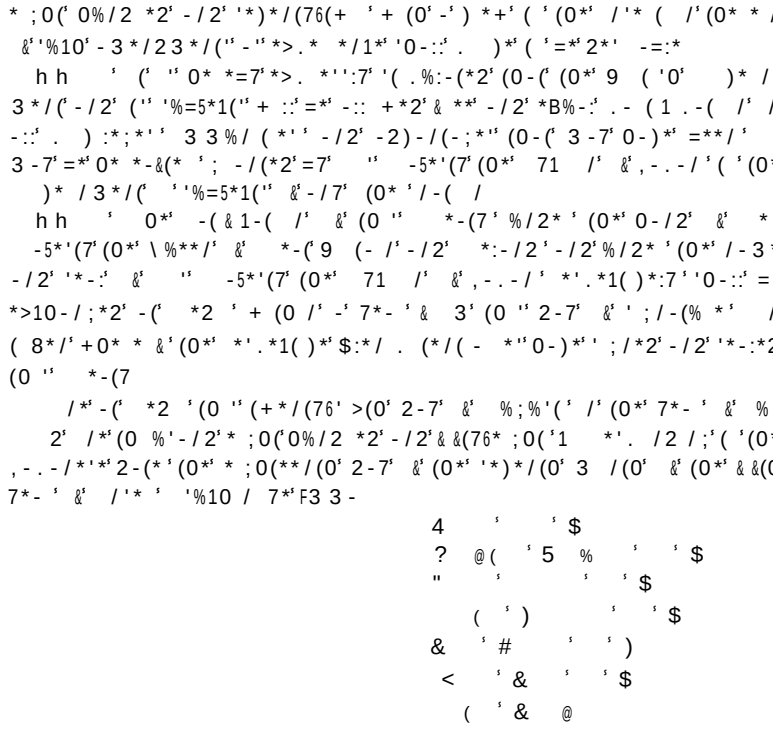

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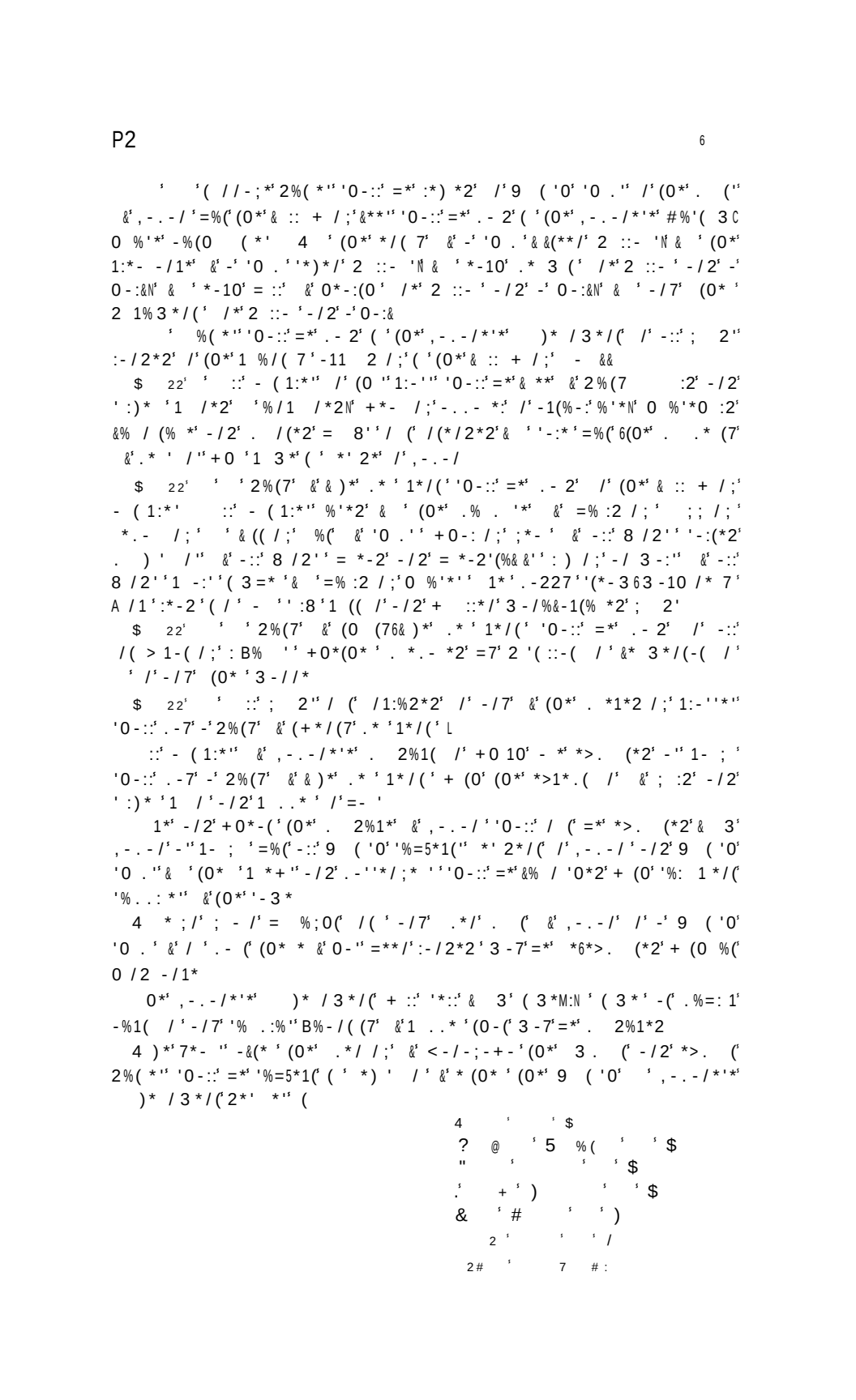

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( )*' 2% / ; (0*) ' (('-8- /)*3=* J" -' + ((*/
*/;-;*3*/((. 1**2 3 3*2 -(*:7 ((0* *) ' / &(0* - && /
B%*'(/ /(0 ;*/* -:=-' ' & -2%(7 &)*.* 1*/(/ (0)-:%*
&-::- (1:*' 3 . (*2 '*>. (*2N

/2 (0)* /3*/(& ,-.-/=* /; 2*' %' & -&& 2 /; -& *'0
. & &(0* + '0 (. 3 (* (-2* -/2 (1*3*/((0*L & */2:7
*:-(/' +0 10 *> '(=*(+**/ (0* 1 %/(7 -/2 & * ;/ /-(/'N

' >1*::*/17 ? @(@($!- *3=* &(0* 5 %
-/2 - / '(* & 4 * ;/ && - ' 0-' =**/ &% / '0*2 =7 (0*)* /C
3*/(& ,-.-/ + (0 (0* /*1*' - 7 . +* ' (1 /1:%2* + (0 (0* *. *C
'*/(-( )*' &(0 -=)*6/-3*2 & % $ +* ' '(0-(' ' (' -7
& -(9 (- / ' & + ' ' (% !< / ;0(# 3 3-/2* &(0*
'(/ % -=:* 2* &(0* 9-(0 * 9 (-/ / 1 -5*'(7F /) 7
>(- 2 /- 7 -/2 / '(* $:*/ . (*/(- 7 / , -.-/N & 4 -/1
/ '*% - 4 !# 3 3-/2* &(0* 3 .* -: 2* &(0*
; / & / % , / '(1 $:/ . (*/(- 7 & ' -5*'(7 (0
3 .* &(0* 4 */10 / , -.-/N &(0 / (*2 (-(*' & 3* 1-
& L ' 'B% * #0- ;*S 2F && -* ' -2 /(* 3N /2 &
::-/2 / '*% % ; ' %!< / ;0(&(0*
2* &(0* *(0* :-/2 ' / $:(1-: ;*/(-/2 # / '%: */* -: &
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)* /3*/(' (0-((0*7 -11* .(-/2 (0*7 0* *=7 2 & 3 -::7 -11* .(
-'= /2 / ; % . / (0 '%=5*1(' &(0* * '.*1( )*)* * ; / ' -/2 (0*
1 A*/ ' &(0* * '.*1( )*1 %/(*' (0 - && W0* *=7 *'(-=: '012
-/2 -/ //*>*2 ((0 . *'*/(# /)*/(/
: ' - && ' '%='((%(*2 / (/:7 & (0* ; / -: - && -((-10*2
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& (0* '.*1 -: # /)*/(/ ' -/2 - -/;*3*/(' *:-( )* ((0 ' -3*
- &&) 0 10 0-2 =**/ */(* *2 / (-(2 && */(2-(*' %.' ((0 ' (3*
5 > M

=*(+**/' (0*')* /3*/('' &' *-(' 9 (- /'4 -/1*'-/2' (0*' /(*2'
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0*' *+' - &&' '0-:' 1 3*' /('*&*1(' /'(0*'. (' &'<-/-;-+-'
? 8 0-3-@' /'(0*'& '(' 2-7' &', %:7'/L*>('-/2' /'(0*'. ('' &' -;-6'
'-2'-/2' -8 2-(*' /'(0*'& '(' 2-7' &'(0*'& :: + /;'3 /(0
' 0*' - &&'-((-10*2'('(0 '' # /)*/(/'=* /;' /1 . -(*2'& 3
(0*'2-(*' &' ('' ';/-(% *' /'(0*' *-(*''1 /1:%2*2'=*(+**/', -.-/'-/2'
(0*'-=)*6/-3*2'& % '$ +* '' ''%=5*1(' ('*) ' /' /'(0*'& '(' 2-7' &'
, %:7' I '
+ '7*- '' '0 +*)* '-&(* '(0*' ';/ /;' &'(0*'. *'*/(' # /)*/(/'
-/7' &'(0*'1 /(-1(/;'.- (*'' /L;) /;'' >' 3 /(0'F/ (1*'('(0*'
(0* ''3-7'1:- 3'-' *-25%'(3*/(' &'(0*'2%(*'' /'(*-'-/2'' :8' /'(0*'
=-'' '' &'&)*'. *'1*/(' /'(0*'-)* -;*')-:%*' &'(0*'*'- (1:*''2% /;'
(0*'(0 **'7*- '' :-'(' . *1*2 /;' /'(0*'2*3-/2'-:'' &'-/7' &'(0*'
1 /(-1(/;'.- (*'' (0*'2%(7' /'(3=*' 3-7'=*' 10-/;*2'& 3'-/'
%'= # #'('-'' .*1&1' -(*' '>' 3 /(0'' -&(*'(0*' ';/-(% *' &'(0 ''
/)*/(/
' 0*'.* 3 (' &**' 0 (0* ('' :*) *2'%/2*'(0*' :(0'6:*;%:-(/'
-((-10*2'('(0*'-=)*6/-3*2' *-(*'' '' 0* *='7'-= :'0*2' $* 3 ('
& '(0*':-/2 /;' ''0 .3*/(' &'1- ;'+ ::'=*' *B% *2'-'' &' 3* :7'=%('
+ ::'0* *-&(*'='*' ''%*2'& **' &'10- ;*
' /'-/2'& 3'(0*'& '('2-7' &', %:7'/*>('-('(0*'. (' &'<-/-;-+-'
? 8 0-3-@'-/2' /'-/2'& 3'(0*'& '(' 2-7' &' 1(=*'/*>(' -('(0*'
. ('' &' -;-'-8'-/2' -8 2-(*'(0*', -.-/*'*')* /3*/(' + ::'= '
. *.- *2'('+- *0 %'*' 3 . (*2';2'' /'(0*'-..:1-(/' &'(0*'
3 . (*' ' +/*'+(0 %(' .-73*/(' &'2%(7' 0*', -.-/*'*')* /C
3*/(' + ::'=*' *'. /':=:*'& '(0*''-&*'1%'(27' &'(0*'; 2''' ':/;'
-'' (0*7' *3-/' /'(0* '10- ;*'-/2'+ ::' -2 E5(' -::'(0*'. *1-%(/''
/*1*''- 7'(' */2*'(0*3'/'% -=:*'-;-/'('& *' 0*/'(0*' 3 . (*'
'(0*' +/*'+ '0*''(' *3)*'(0*'; 2''& 3'(0*'+- *0 %'*'0*'3%'('
.-7'(0*'2%(*''& >*2'=7'(0*' - &&N =%(' &'0*'0 %:2'+ '0'(' *6*>. ('
(0*3'0*'3-7'2'' '+ (0 %('.-73*/(' &'2%(7' (-;*' 10- ;*'' +::'
/' *(0*'1-'*' =*' .-2' /'2*:)* 7' &'(0*'; 2''' 0*' -3 %/(' &'
(0*'*'10- ;*''(;*(0*'+ (0'(0*'*;%:-(/''/*1*''- 7'& '(0*'3-/-;*66'
3*/(' &'(0*'-2'+- *0 %'*'' + ::'=*'(-=:'0*2'=7'(0*'1 3 3 /'1 /C
'*/(' &'(0*'1 /(-1(/;'.- (*'
' ::'-(1:*'' &', -.-/*'*' . 2%1(/'3-7'=*'1 /)*7*2'& 3'-/7'
.:-1*' /', -.-/'(' -/7' &'(0*'. (''.*/'(' &' * ;/'(-2*'& **' &'-/7'
(->' '(-/'('2%(7' (0*'(0-/'(0*'%'%-:'(::'':*)*2'*B%-::7' /'-::'
(-& 1'& '(0*'3-/(*/-/1*' &' -2'' '/-);-(/
' /'1 /& 3 (7'+ (0' (0 '*' (1:*'' &'(0*' *-(*''1 /1:%2*2'
=*(+**/', - -/'-/2'4 * ;/'$ +* ''+0 10' '(3:-(*'& '(0*'1 1%:-(/'
&'& * ;/'1 /'-(' ('1 *'. /2/;'+* ;0(' /'/-()*'1 /' &'(0*'1-3*'
2*'1 .(/'2 ::- ''0-)*'0 (0* (''=**/' *1*)*2'-('(0*', -.-/*'*'#%'(3C
0 %'*' /'.-73*/(' &'2%(*''-(' (0* '+* ;0(' /'9 ''?1 3 3 /:7'1-::*2

1= = '@'(0-(' '' ('' -7' -(' -' -(*' &' = * ' %/2 612' -=2' :*)*/' 9 '' .* ' %%10L12' ::- '' 0*' , - . -/*'*')* /3*/(' =* /;' 0 +*)* ' 2*' %'' (' -:(* '(0 '' . -1(1*' -/2' (' -='(- /'&F 3' -::' /(* &* */1*' /' (0*' *>10-/;*' &' /-( )*'& '& * ;/'1 /L' -/2' =* /;' -:' ' -/> %'' (' 3**(' (0*' + -/('' = (0' &' /-( )*' -/2' & * ;/' 1 3 3* 1*' =7' '*1% /;' -/' -2*B%-(*' ''%*' &' /-( )*'1 /'0-)*' -: *-27'2*(* 3 /*2' ('* :- ;*'(0*' , - . -/*'*' /('' ' -'' (' -2 3 (' &'(0*' , - . -/*'*')* /3*/(' *>10-/; /;' /('/-( )*'1 /' &'(0*' -3*' /(:/'1')-:%*':*''' /:7'(0*'1 '(' &'1 /-;*' -(' (0*' .:-1*'' /-3*2'& '(0 '' .% . '*' -:' & * ;/'1 /' '=%:: /' /'; :2' ' ':)*' (0-(' 3-76' -(' -/7' (3*' =*' (*/2* *2' ('(0*3'=7'& * ;/* '' ' , - . -/*'*' ('=* /;'*''*/(-:'0 +*)* '('(0*'*>*1%(/' &'(0 '' 3*-'% *' (0-(' (0*)-6 %'' $ +* '' + (0' +0 3' , - . -/' 0-'' 1 /1:%2*2' *-(*'' P': /:2'& '('1 /'*/(' (' 2 2 &7'(0*' '(.%:-(/'' /'(0 '*' *-(*'' +0 10' *:-(*' ('(0*'1% */17'(0*' , - . -/*'*')* /3*/(' + ::' -(' /1*' . . '*' ('(0 '*' $ +* '' (0*' -2 .(/' &'(0*'/*1*''- 7' 3 2&1-(/' /'(0*''- 2' '(.%:-(/''-/2' /' *1*) /;'(0* '1 /1% */1*' + ::'=*' . *.- *2'& 3' (0*' & '(' &', -/%- 7' J '('1- 7' (0*' -=)*' 3*-'% *' /(''*&&*1(0*' -(*'' & '=*' 10- ;*2' /'' (0*' 1 '(' &'1 /-;*' '0-::' =*' 2*(* 3 /*2' 0* *-&(* '=7'(0*' 1 3 3 /'1 /'*/(' &'(0*' 1 /(-1(/;' .- (*' ' /' &2* ' (' .%(' -' '(.' (' 1* (- /' -=%'*'' -/2' /1 /)*/ */1*'' 1 3 .:- /*2' &' -(' (0*' .*/' . (' ' *:-( )*' ('(0*' (-/'-1(/' &'=%' /*'' -(' (0*' #%'(360 %'*' (0*' :-/2 /;' -/2' '0 . . /;' &' 1- ; *'' -/2' (0*' 0 /;' &' = -('' 1 : *'' '*)-/(' '*(1 ' (0*' 1 /(-1(/;' .- (*'' 0-)*' -; **2' (0-(' (0*')* / ' -(' *-10' .*/' . (' '0-::' -(' /1*' */(* ' /(' /*; (-(/'' + (0' (0*' & * ;/' # /'%:'' + (0' -') *+' ('(0*'*'(-=: '0C 3*/('=7'3%(%-:' 1 /'*/(' &'%10' *;%:-(/'' -'' '0-::' *& *1(%-::7' .%(' -/' */2' ('(0*'*' -=%'*'' -/2' /1 /)*/ */1*'' -/2' -&& 2' -::' . '' =:*' &-1 : (7' -/2' '*1% (7'= (0' ('(0*' .* -(/'' &' (-2*' -/2' ('(0*' (-/'C -1(/'' &' /2) 2%-:' (' '' 0* *=7' '(.%:-(*2' (0-(' /' 2* ' (' . (*1(' 3* 10-/2 '*' & 3' *>. '% *' (' +*-(0* '(0*'*' *;%:-(/'' '0-::' /1:%2*' (0*'1)* /;' /'-(' *-10' . (' &' /*' ' 3 *' &' (0*' :-/2 /;6.:-1*'' %'*2' =7'& * ;/* '' & ' :-/2 /;' ''0 . . /;' 1- ; ' /7', - . -/*'*' '%=5*1(' '0-::' =*' & **(' .% 10-'*' * (0* ' /'(0*' @*%' . ('' &', - . -/' ' -= -2' *)* 7' 2*'1 .(/' &' '- :/;' ''(*-3')*''*:' /(*/2*2' ('1- 67' * (0* ' .-''*/;* '' '1- ; N =%(' '0 .'' &' +- ' 3-7' /:7' =*' =(- /*2' %/2* ' (0*' -%(0 '-(/' &' (0*' , - . -/*'*')* /3*/(::'& * ;/')*''*:'' .% 10-'*2' =7', - . -/*'*''%=5*1('' '0-::' =*' *; '(* *2' /'', - . -/*'*')*''*:'' /' .-73*/(' &' -'& >*2' 2%(7' &' (0 **= '' .*'(/' & ' '(*-3* ' '-/2' /*' = '.*'(/'& ''- :/;')*''*:'' 0*'(//-;*' &' *-10')*''*:' '0-::' =*' .)*2' =7' (0*'& * ;/' *; '(* ' &' (0*' '0 .' +0 10' '0-::' =*' *>: = (*2' (0 %;0' (0*' # /'%:' &' (0*' .- (7' /(* *'(*2' /' (0*' 2*3-/2' &' (0*' , - 3/*'*' -%(0 (*'' -/2' '0-::' =*' PLF)(& *2' =7' (0*' # /'(>:' -'' -%(0*/(1

h ' /' 1 /& 3 (7' + (0' (0*' *-(*'' 1 /1:%2*2' =*(+**/' , - . -/' - /2' (0*' -& *'- 2' $ +* ' ' - /2' + (0' (0*' . *1 -:' - -/ ; * 3 */ (' 3 -2*' =7' (0*' /) 7'' &' (0*' , - . -/ *'*')* /3*/(' /' (0* ' / (*' (' (0*' 9 ('0')* /3*/(' &' (0*' ' >(0' &' , %/*' I' -/2' /' (0* ' / (*' (' (0 ' 4 */10')* /3*/(' &' (0*' ' >(0' &' 1(=* ' &' (0 ' '-3*' 7*- ' -:' (0*' *'(1(/'' /' (-2*' -/2' /(* 1 % '*' =*(+**/'& * ; /* '' -/2' , - . -/*'*' -::%2*2' (' /' (0*' '- 2' / (*'' 0-)*' =**/' */(*:7' *3)*2' -/2' . C 1:-3-(/'' (' (0 '' *&&*1(' 0-)*' -: *-27' =**/' . %=: '0*2' =7' (0*')* /C 3*/(' &' , - . -/

0*' :-((* ' 0 +*)* ' 2 ' / (' 0*' (-(*' (' 2*1:- *' (0-(' , - . -/*'*' 3* 10-/('' -/2' (-2* '' &' -::' 1:-''*'' - *' -(' : =* (7' (' (-2*' 2 *1(:7 ' -/2' + (0 %(' (0*' /(* &* */1*' &')* /3*/(' & 1* '' + (0' & * ; /' 3* 10-/('' / (' /:7' -(' (0*' . */' . ('' &' , - . -/' =%(' -:' ' /' -::' & * ; /' 1 %/(*'' /' =* /; ' -%(0 '*2' (' :*-)*' (0* ' 1 %/(7' /' (0*' 3-//* ' .) 2*2' & ' /' (1:*' h ' &' (0*' . *'*/(' # /)*/(/' + (0 %(' =* /; ' '%=5*1(' (' 0 ; 0* ' (->-(/' =7' (0*' , - . -/*'*')* /3*/(' (0-/' :*) *2' /' (0*' /-( )*' (-2 /; ' 1:-''*'' /', - . -/' /' (0* ' 2 /- 7' (-/'-1(/'' + (0' *-10' (0*

/2' (0*7' &36(0* ' 2*1:- *' (0-(' -::' 2- 3 '' ' . * ' /'' /' (0*' *3 . : 7' &' 2- 3 '' - *' & **' (') ' (' /' (0*' '-3*' 1 /2 (/' ' -/7' & * ; /' 1 %/(7' -'' + *::' -'' -::' (0*' . */' . ('' &' , - . -/' -/2' (' (-2*' (0* *' + (0' & * ; /* '' -'' (0*7' . :*-'*' + (0 %(' (0*' /(* &* */1*' &' -/7' , - . -/*'*' & 1* ' .) 2*2' -:+ -7'' (0*7' '%=3 (' (' (0*' *> '(/; ' . : 1*' *; %:-(/' ' -/2' (' (0*' . -73*/(' &' (0*' *'(-=: '0*2' 2%(*'

h ' ::' , - . -/*'*' '%=5*1('' 3 -7' '0 .' ; 2'' (' ' & 3' -/7' . */' . (' /' , - . -/' ' (' -/2' & 3' (0 ' . ('' &' -/7' & * ; /' $ +* ' * (0* ' /')*'' *:'' + /*2' =7' , - . -/*'*' ' /' (0*')*'' *:'' &' -/7' /-(/' 0-) /; ' -'

-(7' + (0' , - . -/' 4% (0 3 *' /' =* /; ' .) 2*2' + (0' . -'' . ('' (0 %; 0' (0*' . .* ' 2*. - (3*/(' &' (0 ')* /3*/(' /' (0*' 3-//* ' '. *1 & *2' /' (0*' $ 1:-3-(/' &' (0*' , - E-/*'*')* /3*/('2-(*2' (0 ' (+*/(76(0 2' 2-7' &' -7' JJ' -::' , - . -/*'*' '%=5*1('' 3 -7' (-)*:' (' -/7' & * ; /' 1 %/(7' & ' .% . '*'' &' '(%27' ' (-2*' 0*7' 3-7' -:' ' -11*. (' *3 . : 73*/(' /' -/7' 1- . -1 (7' /' = - 2' (0*')*''*:'' &' -/7' /-(/' 0-) /; ' -' *-(7' + (0' , - . -/

, - . -/*'*' /' (0*' *3 . : 7' &' & * ; /* '' 3 '(7' =(- /')* -3*/(' . -'' . ('' (' ; ' -= -2' /' - . . : 1-(/' (' (0*')* / ' &' -/7' . */' . (

h ' 0*')* /3*/(' &' , - . -/' + ::' .) 2*' -::' (0*' . ('' . */' (' & * ; /' (-2*' + (0' '%10' X ; 0('L=% 7' ' ' =*-1 /'' -'' 3-7' = ' /*1*'' - 7' (' */2* ' '*1% *' (0 ' /-) ; -(/' &' (0 ' - . . -10*'' (' (0 ' '- 2' . ('

h ' 0 ' %/2* ' ; /*2' =* /; ' &' . / /' (0-(' (' '' %//*1*'' - 7' (0-(' (0 '' # /)*/(/' '0 %:2' =*' '%=3 ((*2' (' (0* ' *' . *1( )*')* /3*/('' & ' -(&1-(/' =*& *' (' 1 3*'' /(' . * -(/' (' + ::' (-8*' *&&*1(' /' -/2' & 3' (0*' & '(' 2-7' &' , %:7' /*' (0 %'-/2' * ; 0(' 0%/2 *2' -/2' ' >(76' ' >

‘ -10‘ &‘(0*‘ # /(-1(/ ;‘ $- (*‘‘ 0-) / ;‘ =(- /*2‘(0*‘ - . .)-:‘ &‘0 ‘‘)* / 3 * / (‘ (‘ (0 ‘‘ # /)*/(/ ‘ ‘0-::‘ 3 -8*‘ 8/ + /‘ (0*‘ ‘ - 3 *‘ (‘ (0*‘ (0* ‘ ‘ - / 2‘ (0*‘ 1 3 3 / / 1-(/‘ /‘ + :(/ ;‘ &‘ (0 ‘‘ - . .)-:‘ ‘0-::‘ (-8*‘ (0*‘ . :-1*‘ &‘ -‘ & 3 -:‘ *>10- / ; *‘ &‘ -(& 1-(/ ‘

‘ 1 ‘ / & I‘ (0*‘ -=)*6 / - 3 *2‘ $:*/ . (*/(- *‘‘ 0-)*‘ ‘ ; / *2‘(0*‘ . *‘*/(‘ # /)*/(/ ‘ - / 2‘ 0-)*‘ -&& >*2‘(0* *(‘(0* ‘ ‘*-:‘

/*‘ -(‘ *2 ‘ /‘ (0*‘ / ; : ‘0 ‘ 4 */10 ‘ %(10 ‘ - / 2‘ , - . - / *‘*‘ L:- / ;%- ; *‘ ‘(0 ‘‘ (+*/(76& &(0‘ 2 - 7‘ &‘ ,%/* ‘ /*‘ (0 %‘ - / 2‘ * ; 0(‘ 0%/2 *2‘ ‘ >(76‘ >

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/ / *	2	S	, -*	2	)2
"*			< 8 8% V@	P 2	
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< -/	2	P 2	< (8%	P	7S
< *	P,	2	- 3 *'M? 3 . *''@	P	7
< ; * /	SS7	2 S	* /5	P2	77
<- 8%-	P	,	< =% /	PP2	7,2
5 /	7P	,	* 3 3 %	P PP	7,P
% / /	72	P	, (? 3 . *''@	P	7
<* 8	,P	"! ,	3 3 %	P ,	7 ,
* 3	,	P	* 3 3 * ? 3 . *''@	P	,
#0%-	2	2	* / '0 ? 3 . *''@	P,	,
, / ; / & 3 . *''@	7	2	0 3 %	P S	,2S
5 /	P	2,	< 8* / '(? 3 . *''@	S	,S
/ (8%	,P	P P	, % / 5 /	S	,
9 1: %	7	S	0 (8%	S2	
- / ':		S	? 3 . *''@]		
:%8 7	,	S	) / /	SP	, ,
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- -8%	7	S 7	* A*	S77	7
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9% 1('%		S	/ (8%		
<% (-	7,	,	* + -		7
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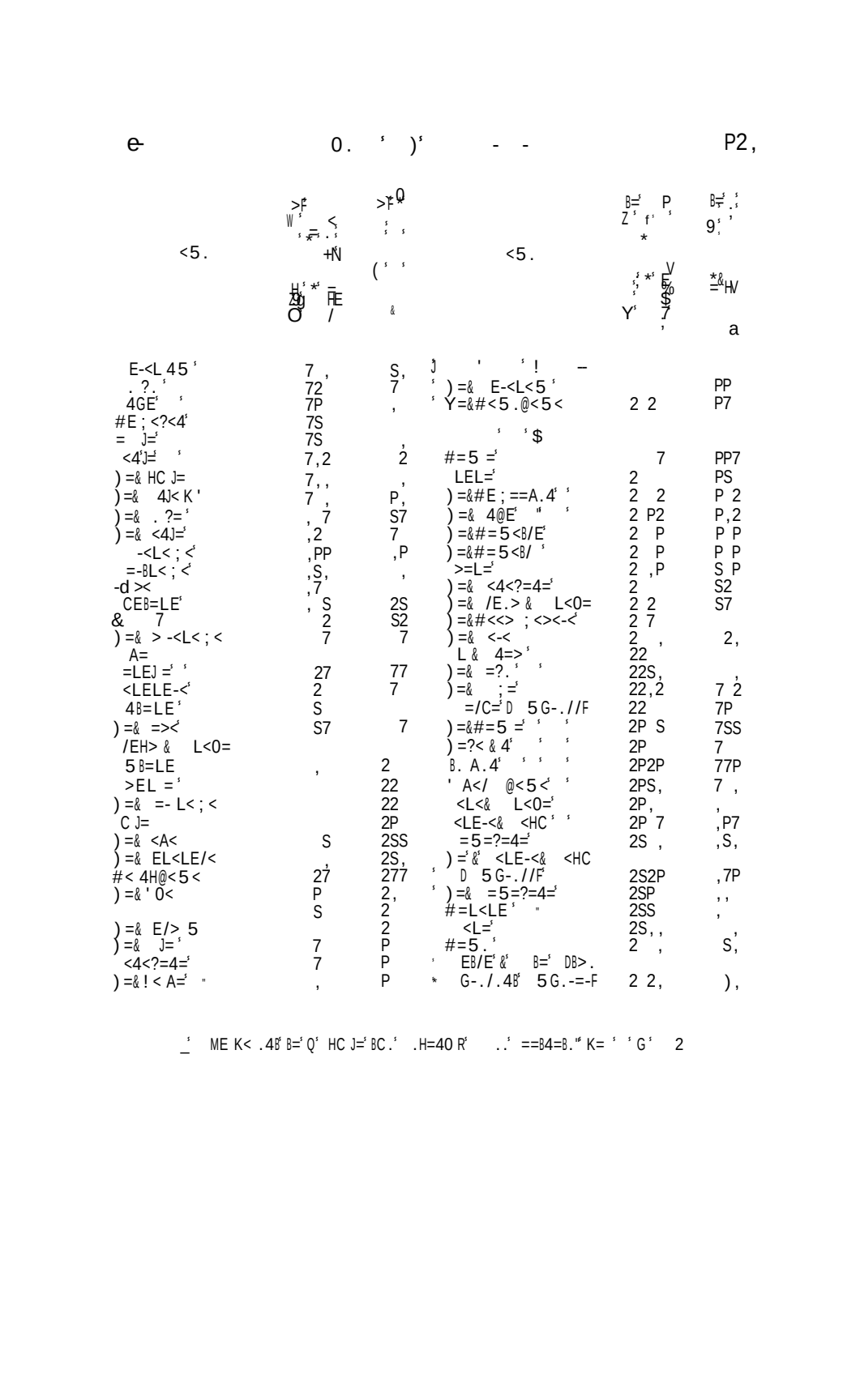
* 8% + -	7	P7	< 8	S	
< / 3 *	2	S	2 -	P	P
9 (-('%	2P2	,2	- ;		
3 *	2S		0%5%8%		P

C. 4<5 ./ BCE/ 5<-L.O >. =4A.O B= BC. /<5 . 5 4&.//* ; C= N&. A4.O B ; H. .. K= G

& C. 4<5 ./ BCE/ 5<-L.O L. ; /. >. =4A.O B= BC. /<5 . .5G-.// .. K= G "



&$!

&- . - / 1 '* -)* (+ / 2*'' &* *18 / / ;* (3 * / 7*- ' ' / *= 7* 3 * - / '' &* I* 7*- ' 171:*' ' / - 3 *2* -&(* ' (0* (+ *:) * ' ; / '' &* (0* , - . - / *' * O 2 -1 (0* (0* '=7* 3 * - / '' &*'0 (' . * 2'' &* - = (- 7*:* / ; (:5 ') - 7 / ;* & 3' / * (' (+ * / (7* 7*- 6' ') * / * 3 * ' -10* &* (0*' * :-((* ' . * 2'' '' 2 'C (/ ; % '0*2* =7* -* / - 3 * ;) * / * =7* (0* 8-2 ' 0* . * ' * / (' / * I %(3* 1 3 3 * / 1*2* 1(' I J '

P* L

<5. <5H

< 6

< LE<*	P	7S	#E<4G.	S		
<LEHC	P	7	C =B< *			
EJB L<*	PP2	7,2	.4A * *	7		
<LEC=	PPP	7,P	.4H J=*	P	2P	
CEHC=*	PS7	7 7	=C.		P	
< LE<*	P		.4A =*		P	
< =C=*	P ,	7 ,	3H4* @<LE	7 ,	S,	
< C=*	P	,	.4B=LE* *	7 ,	,	
#. &E4*	P72	, S	= ; <* *	72		
<O=* * *	P	,	#=C=	72S	S	
=L ' * *	P,	,	4 ; <*	72		
=?=	P, ,	, ,	.4-=LE	7P	,	
4L	P S	,2S	.4@.4*	PP	,P	
.4G = * *	P	,2	=A.4* *	7P7	,	
.4G =* C=C=*	S	,S	.4A.4 *	P	,	
.4G =* =J	S ,	, ,	. LE<4	SP	P	
.4G =* 4A=*	S2	,7	#E<4 ; <	7S		
4A=* #. &E4*	S2,	,7,	. @.4* *	S,	,	
= 0* * *	SP	, ,	. /=*	7S		
.4=	SS	,	=- @<LE*			
.4- @<LE*	SS2	, 2	C=B=L			
! < 0=*	S 7	7	C= =*			
#E=E 4*	S,		# <4L=	S	S	
=4.>=	S S	2S	= ; <*	,2	2	
	S S	PS	#E<44 4	, ,	,	
			<4*		2	
		S	< JE*	S	2S	
			=AH4*		2	
	,	,	=- @<LE*	,	P,	
			C=L E*	,		
	P,	, , *	# <4B=L *	, S	S	
44<* * *		*	.4J=	Z "	,	S

‘

=‘ ’ # R =‘ ’

‘ *‘ 1¡ ‘ 1¡

‘ - [[’ -‘ 1 ‘ “‘ ‘

-3* =‘ ’ -3* ’E’ =@

’ ‘E 1 ‘ ‘ ’ ’Q

‘ 9 -‘ ,! (‘ E

\

d

%8 ’L	!	“!	<*/7 ’	JJ	I J
< 2 1‘		“	: ;*/‘	J	I
7-8%	I“	“ ’	<*/ 7-8%‘		I
*/8 %‘	I	J	<*/. ’ ’	!	I !
,%,	M !	D	, 8 %‘ ’		I
, 7-8%	!		, + ’ ’	I	III
*:: ’			1// /‘ ’	D	IID
(8%F 5	DD	D	</ 8%‘ ’ P	“	II“
<%-/5‘	D		::(*:‘ ’		II
’	“D	D	<%-/8 ’		II
*10 ’	“	J	, 7*‘ ’	I	II!
: (8%	“	!	/.%8%‘	!	II!
<%+-‘	“		9-% 7-8%‘	D	I!D
#: 5	D	D	<-(1‘	“	I!“
<-5		J	7/8% /‘		I!
/ /‘		3 ‘	*/+ ’		I!
/7’			/5‘		ID
*8 %‘	!	!	<%-/;*/‘	!	ID!
*/7 ’			5 ’ ’		ID
6-/‘		I	<*%10 ’		ID
*/5‘ ‘	D	ID	< ;*%‘ ’	J	I“J
-5‘		IJ	0 8-‘ ’		I“
L*/‘0 ’		!	0 ;*/‘ ’		I“
#: ‘0 ’	I	!I	9%/+ ’ ’	I	IJ
7*/‘	“	!“	< 10 ’ ’	I	IJ
*5		D	9%/7*’ ’	ID	IJD
< 5 ’	I	DI	< /5‘	!“	I “
*/7 ‘	D	DD	<6-/‘ ’	!	I
<%-/‘	“	D“	0 + ’	D	I
/.*’ ‘		“	*/ /‘ ’	“!	I !
</7%‘	D	“D	0 6-/‘	“	I
;1/‘		“J	<*/;*/	JI	! I
1 5’		“	<-;*/‘	J!	! !
* 7-8%	I	J	8%5‘ ’	JJ	! J
7* ’	I	J	*/8*’	J	!
#0 8%-/	I!	J!	10 ’ ’		!
&* /-/	I“	J!	0 +-‘ ’	I	! I
/-/‘	IJ	JJ	9%/. ’ ’		!
<-+ ’	I	J	*/+ ’		!
0 6-/‘	!		*/8 ’ ’		!I
/;1/‘	!“	“	0 10%‘	D	!ID
, 5 ’ ’	!		<- *8‘	J	!IJ
+-‘	D		(8%‘		I
,%7*’	DI	I	/80‘		!!
8& /5	D“	“	<* 3/%	D	!!D
<*%8 %‘ ‘	“		‘		
:% 5‘	“				
<*% ‘		I	*/&&1	TR	!!J
?5 1%8 /‘	D	I D	< 8 8%	I	!D

9 C.-.‘ ;=-.‘ B;=‘ OKE</B ./‘ OE- 4A‘ BC.‘ B 5.‘ D PP &P F‘ ! F‘ <40‘ /.G<-<B.‘ @.<-&‘ G.- =0/‘ ; .-.‘ E/.0

PP

<5.

<5.

C= .	2 7	PS	#=J	22	
#.4B=L4	2 P	P,	. -=LE	22	
E4HCE	2 P2	P,2	).4L	22P	,
.4JE	2 P	P,	.4/C=	22PP	,P
#=;<	2	P	E4-=LE	22 2	2
).4HCE	2 SS	P S	#. HC=	22 7	7
			).E4<	22,	7
B !			#E<4@.	22 S	72S
.L ; =		PP	C=C=	2P S	7SS
#=@.	2 2	PS2	#. &<E	2P	S
. ;<	2	PS	=;=	2P 2	7 2
#E<4;=	2	P	. -.L	2P	7
.4>E4	2 7	P 7	<4J	2P	7
;<	2 2	P7	#E<4>E4	2P2	77
=J	2 22	P72	.4G=	2PPP	7,P
&<4	2 2	P7	.4;<	2PS	7
.;<	2 P	P,	=L =	2PSS	S
#=-.L	2 P	P,	.4-=LE	2PS	7
. B=LE	2 S	P	4@.	2P7S	, S
B=LE	2 SS	P S	C=B=LE	2P,	,
#<L.	2 S,	P ,	=L =	2P,7	, 7
#=;=	2 S	P	).4>E4	2P 7	,P7
=B=LE	2	P	#E<4BF	2S	,S
@.4	2 S	P S	.4L =	2S S	,SS
. HC=	2	S2	#E<4@.4	2S	,S
. L @=	2	S2	=-.L	2S	,
#4L B<4	2	SS	=;<	2S2S	, S
E4<4	2 S	SSS	@=	2SP2	,,2
=B=LE	2	SS	.45.	2SS	,
# =B=LE	2 2	S 2	#E<4/.	2SS	,
#=/C=	2	S	#=;<	2S7	
C=-=LE	2 ,	S ,	E4LE<	2S7S	S
#E<4/C=	2 2	S7	E4/.	2S,	
E4/ =	2 27	S77	.4G=	2S	P
4 4	2 2,	S7,	#=L<	2 S	SS
45.	2 2	S7	#<@.	2	S
C=L =	2 S,	S ,	4/.	2 S	S
HEB=LE	2 S	S	<4@.	2 2	7
=;=	2 2	S 2	E4L E(	2 2	7
5L	2 7		).4J	2 2S	7S
H /H	2 S	S	#. ;=	2 2	7
< @=	2	2	. JB	2 2	
# =-=LE	2	2	. J 4 4BC @.<-	2 P7	,7
.4>E4	2 2	P2			

$ % ! $

) ')

* %! D 7 &+ 5 ! 4 A ! / !$ *

. ! ! !

< /

C 0 L= 4.A= =5<
5=&L=4 < E

=@ ; <-<B/= ; =-=4=-K5 LE-?&
L4-<

0.- >-=BC.- L. L=@= <40.4A<
=L. /=<5<
@<L< =-=4
<4 4EE4. /C = =
4 < >./.

=E A=- >-=BC.- B/ G<4B/ @=5>.
L<0/C #EG<

.-K<4B 0/C=4= <40.4A<
.BH
/<5G $<J<0.
0/C=4 =<=
</CE4LE <4@E4
//E4A .->.-

4A L<5 L=5</< <40.4A<
<4L<5< $<J<0.
4LE5E E5>.B.
0ELE5E E5>.B.
4L=B<< @=5><4
L<5<5>ELE ' 4&
0<?<

=0 /C K= =/C= ; = L<5BE&
E E
=/C= ; = ' 0=5
4/<B4> #</<4J".B=
4J<5> <>E5<
40?<5> @=5>.
<<><$>-@A <E'Q
/<><$ <H=& = &
H4 H
<<>< @0 <4

/=> A@GB
<//<> BC =G <4

/ K< 40 <4
/<><> -<> H

#
0P
/C ; < .N H=

/ >E -> -
/ >E <>=H - 3
? >= - >
?E F< =--<><
/ >= -E4L<

PP2

= * 2 > 2 %; :

L@ 7=-< /<- H <4< .BH 0/C.4/<-< 0= ?.-E </ME. /=-A ! C 45 /<-<4A <A<- /<-<4A E4 ; <- /<-<4A. <J5<>< /<-A<5 EB EL H -5<# #= /<-A C.4B/E /<-<A =; <-

==B </ /=4L=4@= =-=4L4 D.<44< /=/= VF /><4 44<5 B H] <EA <A< (<K<-< D/C<44< ==& HC=F $ (# <4 <B<L<

=EBC . ! . $ $$ =-4E $ <40.4A<) <-= .% =0= $ BBLG<

C=E 0.- .! !! ! !! @<5><4 L=/=H A= < ! <B<B<4 ! '<4=

<40 B= L=.') = .BH d<A .4. <>E5< L=.') = .BH d<A .4. B=@EL) @<-E4A % -<>E .LL< <A< L<#E5 B=@ 44<5 $ '=- .BH d #= .BH

. @ * =/. LE =-<< ! /CE4B.= . <4< 8 =/= * # /

==0 . % P =5< <d/(' =5< 4 P C. ; . % $ 7 <40.4A< .0/CV /C B<L= 40-. =5.4@< P <A< ! $) @<-E4A C=E-</J< $ C-<5E $) <-= $! .=- < EB <

L E L< ; < J =5.4@< # <B<B<4 # / $ =5< $ -E4A< ** .-G< ! *' <A< ! >=E-</@< #5 .G=>< $ *! ' -<=4

H /B 5=4= 5.<4# / 4 4. =5<

=4= =E= <L5 E <@=4 C=<-= =/= ; <4 <A<

4e0 - ./ 10)0 A, A PPP

/<;/B > 2 %;#

=HL LE> L=GE4 =5<
L=5G= <4=
L<.D ==HC==F L=.-<5> =/=
L</= =/=
L<E= <40H4A<
L=EA= LE =5<

-= C .4= LE =5<
K. <= =4A=
- =44@
< E <40<-<
; <! ;<<
K. .4 4
K=K< </.L=

<B.- 5 ??E 5<?=<#<>E4A< <B?E <A<
5<?< 5>=5<
5<? .B=.BH
5 4A LE =5<
5.40<4#=/

!<@ L< 4C .;.-
< = =>= 4@ C.G<4A
C E-= =5< <4@ =A<
4 B/ 4=B/E A=<< 4<BC EE;<-

ACB @= @=-E @=-=) E-./<
4@=-E) E-5< @=B 4
J=- <4HCE
0=>=- <4HCE
-<CE A> -< @<C.G<4A
4< =-. =/= GC -E C=G<
=CE=-< -E4AE GC<-)<-=
.-0< A>. . -< <5 .BH

% <A. 5E-< 5<-= <->< 5.-=4A 4AGC=
<5- # - 5<4
5E- . =4 E- </ME.

=E/." @< EO =L=
=@= ><J<
B<LE CE 5>ELBE
L<B< EG.
0<L =E//<

-=4 B./ / /E <-><
</C= ELE
L B/E = <-<;
/E =5E
/ /E <-><.BH

B=4. " /C 40/C .#=-= L<HC. <A<
==4 C/EL 0E0/ =E//<
=B/=L D ==&
H ==F /=A= <-- ><
/E-E <-><
AEL =5<
/E4A <40H4A<

PPS

= * @ > - 2- %; :

<40 =4 /=45<
/ 44< D ==&
HC==F 4/<A E4BE4 .BH
/C =40. # /

<5 5= @=5= </HL. BC=-<< C >.B
B/E&L.5=4= 4/= A=< < C=5<4 C<4
HL<B4< >< 5 /C <A<

! ==- L<0= L=AE #=-= L< LL<B
B= L= <40H4A<
B. L B/=L= <-< ;
L.40<-< #=4=
L=0 < =/=
L=40= # /

BHC L<@< LE= E/E
L<B= <40.4A<
A<@. $E =
L</E< =E//<
L</AE4 =-4E
L</ =/=
.0 H 4. LE/4- /.-< # /
/C<-. =/=
/< <-. >./.
/=-E4 #<-.L<-.

=4L.@ <-< / -= ; < J=A= /<-= #E-
=4&/C.-. A> -< =4&/C.-. -<
/E < <40.4A< /E < <40.4A< /<--C< #=
/<C.E .GHC<

=E/. ! .4. =L=

# BJ Z Z Z 4 4= <40.4A<
4= YE-./<
.GC<4B ?= /G ./. A=< < B/E <A<
/. =5<

D = $!
# B<G - F
=/E./ .A.
./E< L J
E /< #<40 4"

E < = ; =&=/ " ; =/<4ME. </.L.
=L./CE /C . .
/E J* . ./E ; . =>= J
D ; =&=/C ==&
HC== F
9
= ; E/C 5 / <5><- 5</ <A<
5 .&E/ ./E ; . =>= 5=//" CEG<4A
D 4 &=HC ==& 5E/C= == .
HC==F HCE5< =-G<
5= E" F.=- < CEB <
<B Z Z 4.LL= 4@<A= =5H4@< 4@=4 C=E4ABCE
4@<4AE5< <5&
>< ; <
E4=A>= =>= \
4@<@= # /

%$0 1 ./ 10)0 , PP

= * 2 > 2 %;:

! 4A 4E 5.4AE A=< <
5= 4E
D 4A ==HC==F

-0 B=- B=- $E = .C=- </ME.
4;=- =5 HC<- !E-C .BH
B=-. =/=

4<L. C.>
Dj /CF .> L=;=# /
E;=) E-./<
H;=) =<
.;E #=-=

/C /=;=) =< /<G< $<LC@<
Dj /4<L.F E;= /E;=# / /<G< C<-E
@.;= <40.4A /<G< C=EB/E
/=< P<-><
4/ [% <A<-<
;=;= A> -=

=&H 4@ L=4&4 HC =5< .4.4A <4H E
=> 4<L <5
4@<E/= @< 4><4
LE =-EE

@./B.-0<@ /<L4&/ HCE /EL<) =<
5<B/.A4 <>E5<

=&5=--=; 5@=&4 HC 4=/E .-EL<

= 4< 4<=4= 4E) .=-A <4

=B 4<
/E-E4<
4<= >./= 4<= #E/;<-
4. =-4E 4< #==HC
/.-E4E #-< 4=4A< <A<
@.45E #-.>= 4<= #<5

)-.<B =L
==
0<@
=LE /=<5<
=L=L= =>=
<L= =#=4=

5< /< 4=&0/
/< & B=
B/ /<
/=4H /E; E
0/C.B B= $<4A. <
0/C &0/C= #<>.40<
</=/= =5<
=/. =>= =/C=>.-. #/
/.B-. .4
.-< 54=
5<&?. <#</<4J .BH
G<4& .- <A<
B< =E//<
=/=L>== <EH'E
/@=EB)@<5
/<4E $<LC@<
/E <A<
/<4L= '-<=4
/<4 #E-

B= / -= /<HL LE-= LE-E LE-E LE&
LE = =5< L<-<
L.-./C. =J. L<- @< C<-E
5=LC<-< '-<=4
)==0 @= .@. /C<4BH. @= <A@<-
.&4@E 4 EH

h

PP7

= * 2 ; 2 %; :

<0 ; <-E ; <-<$<J<0=
;=- <5G<

) -..0@ / K< ; i /<;.4.C E-E40E
B/<; =-4E
; =4A=LE # /

=B <B/4 =/=/= =>= B.B/< <A<
4EL4 0/C=E =5E <A 5 B.B/=L <A<
=0/C4 <A 5
./ H/=) =
0ELE4< =E//<

= 0 /<5E ./ 5. /4;4 5</E4E .-EL< <
.<>E /<5/E =-4E / -< C<L/@4
/E5<4H <40.4A< /.5>< 5>
<0/=<>.B #<4@=G / 5>< E-5

B-< ACB 5</EAE 5</.A #<5C< /< L=) =40
E4A&<5 4 5&
>=5< /EL<A4 #. L<0
0/C=L =-4E L</E4 <0

W -==L.0 5<A4 = A=4A=-= 5>ELBE K44L<-< .-EL< <
5<A<-= =LE-= #-< L=LE < ! .=-
CEB <
L.- A<B< =-4E L= L= = <A<
54LE- </ME.

0 <4 .-E A=< <
=@E ; E<-< =-4E
= B<-E L <-
=- =/=
= ; <-<B< @<-.<0. @0<C

=E4A

..G 4.- / 4=-= <40.4A< 4<5< .5 B H
E.5E L.4.5 =5E 4@<4 B-HB<4
0<4 5<$E = 4<;< >-<54
! # =>=
4<;E4E-= LE-<&
LE-<
G.<L K = ;= >< 5 >< C<;. #C@H4A
5K. </AE<
;. <4=
<;. C< =5=.

. 5<4A<B< = 5<A<E< =E//<
4<44<;=4 /< 4.5<4 =5E
5<4 =5E

D K. @<-4 @<5 4
<B<@= @=- E-E40=
B<5<K= =@=-. -=
0 5<5= /><4B.H
0 5< <40.4A<

! - 4L 4=-5 4@=5< /E; E 4=5E 5=J
4 5E =5.4@< GE4<5E #C=40
4E4 /C<4B..

$$ 0 - ./ 10)0 A, A PP,

= * 2 > 2 %;:

=5. LE- A -. #-< .BH L<-= <A<
/< H< =E//<
B/EL /./L =5E

) @EL 54. .BH L</ <A<
LE L= <40=5< HL< <J5<C<
/E/E5 L= /C<4B.= @.4A< >-<5E
/C< 5 <5

$ <@ </=> /< </= # /
<=; .-= <-<;
/.; < -E4AE
AE4&/C<> < E

. E- .-.L= <40=4A<
=-. =4.

= 4 4< L<5BE E E

==L 4E< / <4B..
4@ =>=
4@ 4 =/=
B 0/C<-< . -><
0/C<-E #</5
0/>=; = # <5><
/E/=<4 =5<

H= 5 5= C@0<C .BH
5 -E /C 5=-< $<4A <

=K= /= /= =E//<
/EL /. =5<
/=A. <4=
/C=BL< =0.

B- L. B<B< BE0/< #<4@=G B<BEG) @<-E4A

.<B EB/ >EB. <40.4A< B<B =4
B.0< <-<-<
BC<BBE < <><-

' 40.-/B<40 ;<L<-E ;=.-) >.
L<0=4/E-E 0/ =-= -E4AE

<EAC @E/KE-E =-4E
E4<-<; </AE<
@E-</<E L<5BE&
E E

L=-=/ LE-) E-5<
LE- . <4< L= /E .-<L< <

-@ 4<L< LE< /=<5< 4.A<-.A 4 </ME.
$ -< E
..G

E4 </C - /C -= =5< L=-- </ME.
L<L=-E >.-</. =5< A>EK. ! 44
LE-0. $<J<0. A<- B<< =4

! !

! ! !

' & :: + / ;' - *' (0*' / (*'' ' . 3 '*2' /' #0-.(*' h ' :' '(' ;)*' 0*7' - *' (-8*/'& 3' ' $& %/2*'F'W4%'' ' 3 ' 9%8% F

:2' +*-. /'' - *' & *B%*/(:7' . *'*/(*2' (' <-3 ' '0 /*'' *'.*1 -::7' (0 '*' 2*2 1-(*2' (' -10 3 -/' -/2' - 65 /' %

0*' & :: + / ;' - *' ' 3*' &' (0*' /%3=* :*'' */ + /*2' =:-2*'' - /2' (0* ' & ;* '

3 -68%/' &' -3 -('+0 ' :)*2' -= %(' ' ' +-'' -' 1*:*= -(*2' 3 -8* ' /*' &'0 '' =:-2*'' '' '- 2' (' 0-)*' =**/' 1- *2' &&' =7' -' * =+' 2% /;'(0*' * ;/' &' <-/3%6 */ / ' l' '-/2' 0-'' ' /1*' =**/'8/ +/' =7' (0*' /-3*' &' (0*' & ' # #+' ?: ((:*' 1 +@' /' ' ' - -' -2-3 ' =*1-3*' (0*' . ''*'' ' &' (0 '' '+ 2' +0 10' +-'' 2 -+/' =7' 0 3' /'(0*'+- '' + (0' -'-8-2 +0 ' +-''%/(.' :-(*:7'2* & *2' -(' <-/2-' *2

0 /6' 8%' +0 ' :)*2' -(' '-' / ' -' &' 9%A*/' +-'' 2* *2' (' & ;*' -' =:-2*' & ' (0*' ' /' &' (0*' *3 .* ' * A* 6 */ / ' /' J' !-/2' 0 ' 1%(' 0 '' /-3*' /' (0*' =:-2*' (0*' & '(' (3*' (0 '' +-'' 2 /*' 0* *' '' -' :*;*/2' (0-(' < %', /&' 1-3*' (' 0 '' -'' '(-/1*

&' / /*(76/ /*' '+ 2'' 0*' '' '- 2' (' 0-)*' 3-2*' /:7' * ;0(' 0-2' 0 '' /-3*' /' (0*3 ' -/2' (0*' -10 3 -/' '0 /*'' - *' /-3*2' -'' =* /;' /' . ''*'' /' &' 3 '(' &' (0*'*' =:-2*' ' 3 -/7' &' +0 10' - *' / +' : ((:*' *:'*' (0-/' -' 3 -'' '' &' %'(&

M -3*'' +* *' ;)*/' (' '+ 2' ' -'' (')*'' *:' ' 0 '*'' -/2' (0* ' &-) % (*' . ''*'' /'' (0*' 1 3 3 /:7' %'*2' -&& >' /-3*-/ /;'G .* &*1(H' /'?0 '' '*/'*' -/2' '(::' %'*2' & ' '0 .'' 4 3* :7' *)*/6' (0*' 7 %/;' ' /'' &' / =:*'' +* *' (0%'' '(7:*2' -'' -8*' *0' 7 ' 3 - %' -' 1 3 3 /'((:*' & '(0*'0* ' ('(0*' 8%6' ;-+-' : /*N -'' -:' ' (' 1-'(:*' ' '%10' -'' /' 3 - %' ?(%*' .* &*1(@' ' '0 ' -/ %'?+*'(' .* &*1(@

(' 9 /' , /' '' (0*' '-3*' -'' (0*' :2' 3 -/' :) (;' -(' (0*' = ((3' &' (0*' '*-' / %;%? -; /' :/ /*@' 0*' &-(0* ' &' 7 (-3-' 0 32' 8 ' B%- *::*2' + (0' 0 '' = (0* ' -/2' 2*'1*/2 /;' /((0*' 2*.(0'' &' (0*' '*-' =*1-3*' */C -3 % *2' &' 7 ' -/2' :)*2' + (0' 0* ' /'1 -' 1-)*'' %/(:' '0*' +-'' -= %(' (' = /;' & (0' 0* ' 10 :2' 8 ' (0*/' =% :(' 0* ' -' 0%(' /' (0*' '*-6'0 *' &C /;' (' + (0' 1 /% -/('F + /;'' * *' 4%8' +-'' = /' -/2' 0 '' 3 (0* ' 7 ' (0*/'=*1-3*' -' 1 1 2 :*' -/2' *(% /*2' (' 0* ' 0 3*' /'(0*' 2**.' 8 ' 0-)C /;' 2 '.:*-'*2' 0* ' 0*' :*&(' 0* ' '(* ' -3-67 60 -E' =*0 /2' +0 ' 3- *2' 4%8 -+-'*2A%' -/2' , 3 3%6' */ / ' +-'' (0* ' & % (0' 10 :2 ,' 0* *' -*' 3*' &'(0*'*' :2' =:-2*'' /' (0*' >0 = (/' -(' 8 ' /*' '' 3- 8*2' -'') -:%*2' -(' '7

0- - % 2- 7% - ' ('%/- & 8 < 1 /(*3 . - 7 & 0 /6 ' 8% & ;*2 - =:-2* +0 10 / D + - '%'*2 =7 - 8 ? /-3 (3 (A%@(8 :: 0 (*/2 5 <1*:*= -(*2 ==* *2 *-3*2 (0-((: ' '+ 2 (0*/ '(:: -((0* '* '0 /* -: /* 0-2 . +* (= *-8 (0 %;0 (0* '.*:: & /) /1 = : (7 (0-('% %/2*2 (0 ' 1*:*= -(*2 ==* +0 ' '*)*/ / +8/ +/ (10 :2 */ - ' <;0 %: 0 ' '+ 2 M+- ' .:-1*2 / (0* '* - '- /- && /;=7 3% - 0 ;%/ / (0* '+ 2 &(0* '-3* 3-8* + - ': 8*+ '* .:-1*2 -(<*0 63 5 / / 10 ; =7 (0* 0 ;%/ '0 0 (

0- - /*63 -/ (0* 3-8* &1*:*= -(*2 '+ 2' :)*2 -((0* '-3* (3* /* &0 ' =:-2* ' + - '1-::*2 # " & 3 (' 0-) /;& : +/ %(& (' '0*-(0 -/2 2*' (7*2 (0* ?*/ 3 %' '* .*/(@ (0-(1- (* (' '+-:: + %. - - -2-3 +0 0-2 :- 2 (0* +*-. / '0*-(0*2 =*' 2* : ' . :: + +0*/ :7 /;2 +/ (*'(' / (0* =:-2* 1-::*2 & $ # " -:' / (0* . ''*'' / &(0* * 8 &-3 :7 + - ' *.%(*2 (1-%'* (** ' (+ (0* & (+ - ' :- 2 2 +/ (%1: /;' (0*3

" ! ' %8 0 - + - ' - / (0* 1*:*= -(*2 '+ 263-8* /* & 0 ' '+ 2 ' + - '%'*2 =7 -(-/-=*'(0* & :: + * & L /(A%'?9-8 @ (1%(&& (0* - 3 & (0* / JM ?;0 %:@ +0*/ '*/(=7 9-8 (*>(* C 3 /-(* (0* + 18*2 ;0 %: ' 2 -; / ' ("]1

! ' %/*10 8- <' '+ 26'3 (0 :) /;/ - /; (**(< (/(0* .) /1* & -3-'0 3-2* <' =:-2* 1-::*2 $ # " . ''*''*2 =7 /;% & < -3-8% - $ # + - ' ' 1-::*2 & 3 <' $?=%((* C &:7@ =* /;' + 8*2 /((0* ! & (0* =:-2* / (0* + - .:-1*2 / (0* (*3 .:* & 4%2 ' ' / -(10 ; - /2 =*1-3* (0* . .* (7 & -2- -=% A- *3 / +0 * .- *2 (0* (*3 .:* -(0 ' + / 1 '(0* =:-2* + - ' (0* *-&(* 1-::*2) % #

/ (0* + - ' 1-::*2 & ! # ?: ((:* & >@ & 3 (' 0-) /;' =**/ & ;*2 =7 (: * - ' ' '(-/1* & /- ? ;-' / 3 (-3-@ +0*/ 10 5 / / ? ! F 2* *2 /* & (0* & /*'(+ 83-/'0 . 0* /-3* & (0* 3-8* %/*10 8- + - ' 1%(/ (0* =)* '* -/2 (0* /-3* & ! / (0* *)* '* ' 2* "! 3

3 /- & 9 A*/ + - ' -' / (*2 '+ 263-8* & (0* '-3* .* 2 D ! ' (0* * :)*2 / -3-'0 '0 7* ' (+0 3 - . .*- *2 %3 7 '0 - 3 , /? & (0* (*3 .:* -('-8-@ -/2 2* *2 (0* =*'(=:-2* (0-(1 %:2 =* +*:2*2 0*/ (+ - '& / '0*2 (0* 3-8* + - ' / 0 ' + -7 ((0* (*3 .:* ' - ' 2* *2 =%(+0 :* 1 ' ' /;' (0* + -(* 0* 2 . .*2 (0* '+ 2 /(((' 2*. (0' ' 1 3 -/(2)*2 -/2 & /2 /;' &: +' - + -7 + (0 (0 (:7 -&(* + - 2 ' -' /*+' '+ 2 + - '& %/2 -((0* 0 /* & %3 '7 '0 + 0 10 .)*2 (=* (0* : '(=:-2* - /2 (' '/ + 1-::*2 D # $ " " -1 3 -/(@

PS

J' ! ' (=-' / ' /' + - '" . - (-:' (' '+ 263 -8 ' M' (: ' 3 '(' 1*:*= -(*2' &' +0 3' + * *' '* / (' & ' =7' 0 3' /' (-(/ ' -'' & :: + '

'(' 3 /(0	9 A*/' / ' 3%/*
I/2	9 (10 %' / ' -2-('%;%
! 2	9 A*/' =%&%'-
D(0	+ -2-;%10' / ' <%/ 7-'%
"'(0	9 (10 %' / ' '%/*('%;%
J(0	+ -2-;%10' / ' <%/ (3
(0	9 A*/' / ' %/*7 '0
(0	9 (10 %' / ' '%;% *7
(0	9 A*/' / ' %8*3%/*
(0	9 A*/' / ' %8 8%/
/(0	9 A*/' / ' %8*/-
I(0	9 A*/' / ' %81/ =%

0*' =:-2*'' 3 -2*' =7' (=-' / ' /' - *' 3 - 8*2' + (0' -'10 7'-/(0*3 / /' -/2' -' '(8*' =*/*-(0' " $ ' $' # (3

I D' ! ' '0 3 (A%' &' + -2-;%10 ' /' (0*' .) /1*' &' -3-6' '0 ' 1 3 3 /:7' 8/ + /' -'' '0 ' '' 3-8*' &'+ 2' '0-) /;' 1%(' (0 %;0' -' 2 %;; '(F'' 3*(-:' 3 (- ' ?1-::*2' 7 3" - *' 8/ + /' -'' > ' $

- 6(- ' <%/ 67%8 '' (0*' / - 3 *' &' -' **:*= -(*2' 3 -8* ' &' (0 '' . * 2 ' /' ID ' <%/ 63 (A%' &: % '0*2M' /' I" ' <%/ 67 '0 ' /' I ' -;-6' 3 (A%' 3 -2*' -' '+ 2' -&(* + - 2'' + /' =7' :7*7-'%' 1-::*2' %P %' ' # !P '& 3' ('' *%((/;' -' =*-/'" %P!! 3' (0 + /' /(' (0*' - (0* ' 1*:*= -(*2' 3 -8* '' - *

!	
I !	(' - ' <%/ ' (':
	M' 0 /' (';' <%/ ' 3 (A%
! !	%8 ' 3 ('%' &' -;-3 '
!	-2-3%/ ' &' -;-3
! I	' / ' '0 ' 0 ' &' *(10 %

0*' :-'(' ''(0*' 3 '(' 1*:*= -(*2' &'(0*'*' */ + /*2' 3 -8* '' ' . %2:7' *&%'*2' (' 1%(' 0 '' / -3*' /' (0*' =:-2*'' '-7 /;' (0-('(0* ''%.* (7' + %:2' =*' *1 ;/ '*2' + (0 %(' (0 '

! I I' ! '" -63 -'-' &' */5%' 3% -' /' <*' 1 3 3 /:7' '. 8*/' &' -'' */5%6 /' % -63 - '-' '' '+ 2'' + %:2' (' '' '- 2' %(' -' '0**(' &' .-.*' &: -(/;' /' (0*' '(*-3' &' (0*' + 2' + * *' /:7' 0*:2' /' (0*' + -(*' (' 3 **(' (0*' .-.* ' %10' + -'' (0*' *.%(*2' 8**//*'' &' (0*'*' + *-. /'' -/2' ' ' ; *-(' (0*' 2*' *' ('(*'(' (' . ''*''*2' (0*' + /* '' (0-(' +0*/' -' & ((/;' .. (%/ (7' 11% *2' (0*' 8%;-+-' ;)* /3*/(' & =-2*' (0* ' =* /;' + / &' KKKKKKKKKKKKKKKKKKKKKKKKK

_' <4@' = ' BC.' 5G.- <' <5 @' <40' ;=-0&5<L 4A
! < 5 =/' 5 B<B.0' B 43/' L<0='" <40' B' C.' H=5G .-' =' BC./.' 4=B./' G<B-=4 /.0' <5<B.E-' <40' G-= .// =4< J=//./.' =4.'" <40' C4/' .NG.- .4H.' =

- 0 1- B D -B B & - PS

/ !IJ -'-63%/*'(0* 3 '(1*:*= -(*2 &'+ 263-8*''& ;*2 '3* &0''=*'('=:-2*''/ +''(::'/*>'(*/1*' 0*'+*:2 /;'0 +''-.*1/:-'; :2*/'(/;*':8* & 8*2 :;0(/ /;'(0 %;0'-'2- 8'1: %2'' & :2*2'0'' 3*(-:' & 3' & %''2*''=*-('('%('-/2' *& :2*2'('/'-.*1 :-'3-//*

/' !!''(0* *':)*2' /' / ''-('(0*') ::-;*' &' *8' 0 2A%''-=% '<-/ 6%5''-'.%.:' &' -''-'3%/*

/' !JI' 8-/*63 (A%'-'1*:*= -(*2'3-8* M' &''-= *''0-)/;'3 *''+**.'/'(0*3'(0-/'(0*'=:-2*'' &' (0*'3-8*'

! ' !''<-/*6'-2-'+-''-' *.%(*2''+ 26'3 (0' &' :2

:.''+ 2''3-2*''/1*' " '-*'1-::*2' $!'?/*+''+ 2'@'-/2'(0*' :2'=%('/&* '=:-2*''-*'/1:%2*2'+ (0'(0*''*' 0*''+ 2'' &. *) %''3-8*'-*'1-::*2'& !'?:2''+ 2'@

8-+-'<%/60 ' J ' f+-''(0*'=*'('&'(0*'/*+'" $!3'3-8*'

/' *('%'?'-8-@' '%2-' 10 A*/'/'8-3' %8*60 '+-''-/(0*'3-8*' &'-=%('(0*''-3*.* 2'?JID@

%='*B%*/('3-8*''-*'/%3* %''='=%('-''(0*'*'-*'/''.*1-:':*;*/2''1//*1(*2'+(0'(0* '='=:-2*'' '.-(1%:-'10- -1(*'('1''.*(-//;'('(0*3'(0*':''('&'(0*'/-3*''' 3((*2'0**

0*'*2;*' &'(0*',-.-/*'*''+ 2'' (*3.* *2''*.- -(*:7'& 3'(0*'= 27'=7'=*/;'1)* *2'+(0'1:-7'+0*/.:-1*2' /'(0*'& *'-/2'(0''. 1*''''= /;'' %('(0*'3-8/;'.*1%:-'('(0*''*''+ 2''1-::*2'7 '$'?=% /('0*-2@

0*'*'. 1*''*'')-7'-/2'-*'1-::*2

$ '' '('-;0('*2;*'(0*''(7:*' &'<%/'3(A%

' $'?& /*'(0/@''('-;0('*2;*N(0*' -3-'0 ''(7:*

% '':-;*' *;%:- '+-)7'(0*' -;-3'-/2'9 A*/''(7:*

& # % ''3-::' *;%:-'+-)7N''-3*''(7:*

$ ('':8*'1:)*'':-2''2*'=7''2*'9 A*/''(7:*

'')*:-2'.*(-:''':8*'&:+*'.*(-:''9 A*/''(7:*

#! ! '' 3-8*2'+(0'1:%27''. ('' '0%''(7:*

;' ! '':-;*'+-)7':/*N 1 3 3 /'('-::

-' ! ''-''3-::'+-)7':/*N 1 3 3 /'('-::

' $''* -(*2N. /1.-::7'9 A*/

A # ' ' # ''&)*'1%)*''-/2'-''('-;0('::/*'-:(*/-(/;' /'-/2' *:2''(7:*

#$ ''(0 **''* -(*2'3-8''-/2'-''('-;0('::/*'-:(*/-(/;

7 +'-*'. ('/'(0*'0-2'3*(-:'&'(0*'*2;*'.*1%:-'('1*(-/'3-8*'N'-/2' 7 ''1:%2/;''-/2'3-8/;''/'(0*+*:2/;' 0*

BC.' .<-'<40'/EG.-/B B=E/'-.K.-.4H.' .K 4H.0'>@'4<B K./'='<'H</I./'=-' BC.'/;=-0/'='B /'5<L.-

g ;=-0/'<-.'/<0'B='-.B<4'BC.

/B<4'='CE5<4'>==0' 'B' /'4=B' A-=E40'=EB' /G..0 @'<B.-'BC.'0.<BC' ='BC.'K HB 5

PS2

3 - 8 / ; '' /' (0*' . /(' 1-::*2' " - *' &' 1)* -' 8 / 2 ' ' 2*/ (/ ;' (0*' . *1%: - ' 3 -8*'

P' ::' (0*'*' 2*(- :'' 3 %'(' =*' (0 %;0:7' '(:2 *2' =7' *)* 7' , - . - / *'*' ; * / (:* 3 - / ' - / 2' ' & # '?*>. * ('@' + * *' . * / ' /*2' =7' (0*' 8%; - + -' ;)* / 3 * / (' (' (*-10' (0*' G' (%*' 3 - 8' H

0*' '0 - . *'' &' =:-2*'' + * *' 1:- ' '*2' - '' & :: + / ; '

& " (+ 6*2 ; *2' &-:10 / '

! $ " ' + 2 '' + (0' -' ; *-(* ' 1%)*

& ! " (0*' 1 3 3 /' :- ; *' ' + 2

D P " (0*' 2 / - 7' 3 *2 % 3' =:-2*

Q4 ! " (0*' '0 (' ' + 2 ' &' :-(*' 3 '(' + /' + (0' (: ' & ! "

> % " -' '0 (' (0 18' =:-2*

> " -' :- / 1*

4 " -' :- ; *60*-2*2' :- / 1*

, $,' ! ' ?1 3 - / (F' 60*-26' 0 - . *2@' -' =:-2*' &:-((* / *2' %(' -(' (0*' . / (

&4 # ' ! " -' ' 3 -::' . / (*2' ' (:*((

$! " : 8*' -' &:- ; 6:*-&' &:-(6=-18*2

. ! " = -26' 0 - . *2

. # " ': . / ; 6=-18*2

. ' # " 'B%- *6=-18*2

#$ " %/26. / (*2

& # ' - *' ;)*'' ' 0 :: + '' /' (0*' =:-2*''& ::*2' + (0' 1 3 ' /' :-1B%* ' ' 1-) / ; '' &') % " $! ' ?2 - ; / '@' - / 2' ' 3 *(3 *'' 9 /5' ? - / '8 (@' :*((* '' - / 2' # 0 / *'*' 10- -1(* ' ' '%10' - '' *-2' # ' 5 ' P ' "?' + ::' 1%(' & ' (*/' (0 %' - / 2' 7*- '' H@N' ! ' $ ' ' ?G' 0 / *' (' 0*- (' - / 2' . - ((1H@' 3 *' ' + 2 '' 0 -)*' =** / ' * / ; -)*2' + (0' . *(7' &' (0 (76 / *' '7::-=:*'

0*' '0 - . *'' &' (0*' 0 - &(' " # " ' %3' - / 2' (0*' 3 - 8 '' (0* * / ' - *' -' ' * %'' ' (%27' (' -::' (%*' ' + 2 ' 3 * /

> ' # ' ?& :*6 3 - 8 ' @' (' 8** . ' (0*' 0 :(' & 3' ': . . / ;

7 " > 7 ' ! ' ' $ " > ' $ %P " - 1' (0*') - %'' ' (7:*'' *-10' 0 -) / ; ' ' 3 *' . *1%: - (7' &' (0*' 3 -8*

h

)

Y '

% * ')* ' ' I D ' I J'
2A%' 1:- / ' (0* ' *=*:: /' &' ' I I'
/ ' ; /' &'(0*' , - . - / *' *' ' J'
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:1 18' ' %(=* & 2' /' , - . - / *' *'
(' '
:3 - / - 1' & '(' %' *2' ' I '
3 - 6 / 6%8 60 - '0 ' &: - (/ ;' = 2 ; *'
&'0* -) * / ' ' !
3 - (* - '%' B%** /' &'(0*' '%/ ' ' >> >
I ' Ñ :*; * / 2' &' ! Ñ' ' ID"'
3 * 1 - /' 2*3 - / 2" & ' 1 3 3 * 1 - :'
/ (* 1 % '*' ' ID" ' ID ' I " I ' I " D'
3 (- ' 9%220 - ' ' ! ' "'
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/ - 8 ' (%(' (' $ / 1*' - 8 6 - 8
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/ - (37' / (' & 3 * :7' 8 / + /' /'
, - . - / ' ' "Ñ' - 11 %/(' &' (" 2 'C
1) * 7' " ' J'
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' I' Ñ %. /' , - . - / *' *2*' ; / ' 1 3C
. ' (/ ' 2 - + / ; ' .* ' . *1( ) * ' 10 - C
'1% ' - / 2' 1 : % ' " ' ' ! ' D
/ 3 - :' ' , - . - / *' *' ' '
/ 8 ' 3 . * ' - ''- '' / - (*2' ' J'
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3 ' ; - (*' &' ' I I'
10 (*1(% *' - / 1 * / (' '(7:*' &' ' !J'
'0 7 - 3 - ') ::- ; *' ' I D'
'%; - + - ' $ / 1*' 1 3 3 - / 2* 6 / C
10 *&' &'(0*' 3 . * -:' & 1*'' ' !D '
3 7' - ' / * + ' 1 *- (*2' ' ! I '
(' , - . - / *' *' 2*) *: . 3 * / (' &' '
I Ñ' . 1*' ' *" &' ' ! Ñ' (* 3 . :*'
- (' (*- '% *' ' ' Ñ' '(%2 *'' /'
< (' ' Ñ " I' Ñ &' & * ; /'
2*) - (/ ' ! Ñ' . - (/ '*2' =7'
;) * / 3 * / (' ! ' Ñ *- :7' - ('(' ' DN

(0*' '- ' '10 :' DÑ' < - / ' - / 2'
0 '' '10 :' "Ñ' 8 ' - / 2' (0*'
0 7 ' 9 % ' Ñ' 8%' - ' ' Ñ'
$ &*'' ' / 2* ' / F'' '%3 3 - 7' ! Ñ'
2*' ; / ' DÑ' =*-%(7' &' (0*' 0%3 - / '
& 3E / (' - . . *1 - (*2' "Ñ' 1 3C
. ' (/ ' 2 - + / ; ' ' Ñ . * ' . *1( ) * '
Ñ' 10 - '1%6- ' - / 2' 1 : % ' Ñ'
& *B%*/ (' *1% */1*' &'' 3*' =5*1('
" " Ñ :*; * / 2' &'(0*' #%18 ' - / 2' (0*'
/ ' " E " QÑ (*10 / 1 - :' 3 - '(* 7'
"
(' - / 2' / 2%' (7' 2*) *: .*2' ' I ! J'
7 - / ' &- 3 :7' &' :- / ; %- ; *' ' (0*'
6 6 % Ñ ' " I ' '
7 - / ' ' (0*' ' " ! ' J' '
'-8%' - ' (*3 .:*' &' ' IDÑ') - %''
- ((- 1(/ ' ' I " Ñ' (0*' ' ' ; - / (
; - (*68** . * ' ' IJÑ' (0*' *3*2 - :'
2 :' I Ñ' . - 7 / ; 6 + 0**: ' I '
'0 8 - ; - ' 0 ; %/ ' ' '*' &' ' JÑ
3 - ; *'' =*0*-2*2' - / 2' . :: *2' #$ '
'0 8 - ; - 6 - 8 - 6 5 ' 0 '' 2 '1 / (*/ (' '
' $! Ñ -= %. (' 2*. - (% *' $C Ñ
- 11%' *'' ((- ' $C
'0 8 - ; - ' ' (0*' '%. *3*' . + *' &'
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) * (0 + ' J
''-'' / - (/ ' &' (0*' . 3*' 3 / '(* '
' ' " ' Ñ' &' (+ ' / ; : '03*/ ' - (
*2 ' IJ Ñ' &' ' 10 - 2' / ' IJ" Ñ'
&'(0*' / '(* ' 8%= ' I D'
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('%(- ' 0 / (' (*3 .:*' &' 2*. ' (7'
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+ - 2 - ' ' *' / (' - '' - 3 = - ''- 2 ' (' #0 / - '
' I

3 %((!)89" ' # '
9 - / B%*(' ' 9%220 '(' ' I I ' I !

9-(0'(0*'-'. .%:-' /'((%(/' 'J'
9*::'(0*'+ '0 /;':*;*/2' &' 'I '
9 0:*''(0*',-.-/*'*'?'**'& ('-/2'
$ 3
9 /A% %' */5-'(0*' *3*2-:' 2 :'-('
'-8%'-' 'I'
9 2''',-.-/*'*' '
9 +-':-8*' &' 'II'
9 6(**'(0*' 'J
9 -(' -/1*/(' /' (0*' 3%'*%3' -('
'-8-' 'DI
9 / /' ':-/2''(0*' '!'N (-8*/' %/2*'
,-.-/*'*'. (*1(/'! '
9' A%''(0*'(0* ''*:&6 /2%:;*/(' :)*''
' !N' '1-((* *2' -&(*' (0*' '% C
/2' &' /;-/5' "'
9 -03-/ '3' 'J"'
9 /8:*7'#-.(-/' /' (0*' ,-.-/*'*'
:-/;%-;*' '" 'JJ' I' "'
9 /A*6+ 8' 'J'N . 1*''' &'1-'(C
/;'! '! N' 1 : % *2' . 1(% *'' /'
3*(-:'' ! N' * '+ 8'D'
9%220-'0 '' 2*'1*/(' 'JJ'N :&*'-/2'
(*-10/;' J N' '(-(%*' &' = %;0('
/(',-.-/' N' *:1' &'-(' (0*'
(*3.:*' &' %5' ' J'
9%220'3' '>>> N (''/2-/' ;/'
JDN' (''' 3.:1(7'J N' %'*' &'2:''
J N'-/-: ;7'+ (0'#0 '(-/(7' N'
(0* 7' &'(0*'1'3 ; /7' N' 3 C
-:(7'-/2'.% (7' I'N (-/'3 ;-C
(/' &' '%:'' DN' /(2%1*2' /('
#0/-' DN' /('< *-'-/2',-.-/'
"'N. +* &%:' /'(0*'(-(*' N'= :2C
/*''' &'(0*. *'('' N'-2 .(*2'=7'
-:' 1:-''*'' I'N 3 2* /'1*.(1'3'
*'.*1(/;' I6 'N (0*'G' -/(* 'H
&' N' '*' &' N'0 '(:(7'(L D'
9%220'(' . *'('.* '*1%(*2'=7' =%/6'
-;-' ' !N' (0* '(*3.:*' &' *7*'
2*'(7*2' DN' & (&*2' (*3.:*' &'
/;-/5' D N' 9'' '*;*'-/2' '% C
/2' '"N. *'(:7'-((*'I !
6666666666 '*1('' ' !N' $ (*'(-/(' &
,-.-/' J'N /%3=*' &' ' N' /C
&:%*/1*' &' % .*-/'1) :'-(/' I'
9% -:6.:-1*'' &'(0*' 8-2 '' ' "

$ '(0*'.*'*/(' 'JD'
#-// /' 3. (*2' /(',-.-/' ' !'
#-'(:*' &' (L2 'II'
#*:/;' &'- +"-(' (0*' :2'1-'(:*' &'
<-/-A-+-' ' D"'
#*/'%"(-8*/' /' DD' 'I!J'
#0-3' &'/%3=* ''(0*' '!!'N 'J!'
#0-7-'(0*' '(*-60 %'*' ' D

#0* 76(**',-.-/*'*' 'I "'
#0 18*/'' '-1 *2' /' (0*' 0/('
(*3.:*'' '
#0 :2 */',-.-/*'*' '!' "'
#0/-'9%220'3'/' ' D'N 2 *-3' &'
(0*'*3.* ' &' "N'. *'*/('' & 3'
-' 3 '' /'(' N' &% (0*' /(* C
1 % '*' + (0' 'I 'N -((*3.('(' '
/)-2*',-.-/' J' WL
#0 /'/9%220 '(' (*3.:*' &' ' I'
#0 :* -' /(2%1*2' /(' ,-.-/'
>>>) 'I"D' M
#0 '0%' 1:-/' (0*' :/;'6''(-/2/;'
; *)-/1*'' &' 'IDIN' & *' %>Q/'
& *;/'0.'' IJ N' 2'3 ''*2'& 3'
< (' IJ N' -((-18'' -' -('%3-'
'0.'I N' 1 /&:1(' + (0' (0*' -(C
'%3-'-%2' 2A%'1:-/''I '
#0 '0%'-/2' -('%3-'(0*'. /1*'' &'
(0* ' :/;6'(-/2/;' ; *)-/1*' '
IDI'N . *5*1('' & ' *'(/;'5>5+*'
('(0*'*3.* 'ID!'IDDN' 0 / % ''
; -/(*2'(' I
#0 '(-/' *:; /'(0*'. (*1(*2'=7'
=%/-;-' '
#0 '(-/(7' /' ,-.-/' -..*- -/1*'
-/2'. *-2' &' ' N' &: % '0/;'
1 /2(/' &' N':727-'%F'*>(C
.-(/' &' I !'N *-1(/' -;-/'('
I'I JN' /(* 2 1('I N' .* '*1%C
(/'' ' !
#0 '(-/'' (0*'.* '*1%(*2' ' I !N'
*) :(-/2'3-''-1 *'-(' 0 3-=- -'
II 'II
#0 /:;1-:.* 2'10-/;*2'(*5'
'I "
#0 /:;7'1 3.- ' /' &' #0 '(-/'
-/2',-.-/*'*' ' I'
#0% 10' & '(' #0 '(-/' /' ,-.-/'
'
#:-/''7'(*3'(0*'-= :'0*2' 'II'
#:- 8*' ' 72*'(0* 7' &' '>>)'
N' %''!' "6 '!!
666666 666666' /' 0'' % -/ 6 & 1-/
(0* 7' ' "6 '
#:3-(*' '"6
-(' &' 3''(0*' 3.* -:' ' '
G'# 18.(H'(0*' &',-.-/' ' '
/-;*'/ +'1 ..*' /(2%1*2' '
II N' -:(* *2' I!!N *'(*2' =7'
:7*('%;%'I!D
/''3 2* /' &',-.-/' ' "!'
3 3* 1*'& *;/'*/1 % -;*2' 'I "'
3.- -()*' (-=:*' &' + 2"' /',-C
.-/*'*' *'(' & 1-/'-/2' (0*'
:-/;%-;*'' '!! 6!!

/1%= / - ;*' '7'(*3' &' ' J'
/'1 .(/':-+'(0*' '!I ' !I '
/'%:- '5% '2 1(/' '>:) 6>:) '
/) 1(' *'(-=: '0 3*/(' (0*' 1*/(-:'
'!ID
'(%3*'' ' ' I'I" 'I" '
-(/', - . - /'*' -11 %/(' &' 'I"'
+/'(0*' 2*'1*/(' &'(0*' ' '
P

, 0 # 2#'BC.'1 : ''-:'; 2' &' - -'
0*-2' '0-8*/' &&'=7' -/'*- (0B%-8*'
' N' ' II"N' 2*'1 .(/' &' '
J"N' &'< (' 'II"'N &'<-3-C
8% -' ' "D'N ' '
- 65 6 - 65 /' ' && 1*' &' . 3*'
3 / '(* ' ' I
- 65 ' <%6+ - / '(0*' '1-= /*(' !J'
- 3 '' '.) /1 -:'. /1*'' ' I D'
I I
-/1*' &'(0*') ; /'. *'(*''*' ' D'
-/1*'' &*'( ) -:' ' I !N' /-(/-:'
III N' (0*' 3 '(' -/1 */(' 1* *3 / -:'
I"
** ' '-1 *2' &' 7-5 3-' ' I '
*&-1 /;'1%'(3'' -= : '0*2' ' '
B "(0*' %'' -/' & ;-(*' + *18*2'
=7' -%' *- (0B%-8*' && 0 3 2-' '
I'I J N' ' J'
;'' < *-/' ' '
8 ' (0*' . *'(' -'. *'' (' (0*'
(0 /*' '
/10 ' (0*' . *'(' '*/(' & 3' < 3-'
/' < *-' ' ! '
-+ /;'' -3-(*% ' ' I !'
%(10' :-/;%-;*' ('' . *-2' ' I! '
%(10' (0*' (0* ' /(* 1 % '*' + (0'
, - . - /' ' I D' N & ;*2' :*((* ' & %/2'
.' = - 2' -' $ (%;%*'*')*''*:' I '''
7/-'(*'' (0* /'-/2' %(0* /' '
DN' +- '' J
7/-'(7' (0*' 3 .* -:' ' !'' ! ' !

7/-'(7' (0*' 8%;-+-' & %/2*2' '
I D

f'%3 3 - 7' &' ' 6 I N'
'%11*'' /' &' I"
2 1('' -;- /'(' #0 '(-/ (7'-/2' %:*''
& ' (*'(/;' (0*' (0 2 >7' &' (0*'
, - . - /*'*' ' ! ' !
2%1-(/'. ; *''' &' ' I N' /(* *'(
(-8*/' /'=7' (0*' *3 .* '-/2' *3C
. *''' !!
2%1-(/-:'7'(*3'(0*' '!I '
3 .* ' (0*' . *'*/(' ?'**' %('%6'
(@

3 .* '' -/2' *3 . *''*' ' : '(' &' '
!IJ'!I
6666666666666M' (0* /'-/2' %(0* /'
J
& "(0*' 1 3 . '*2' =7' 4%5 6'
+- -' 8 0 -' ' !D'
/;:-/2' =*; // /;' &' /(* 1 % '*'
+ (0', - . - /' ' I D
/;:'0'(0*' /', - . - /' '>>> ' ID '
I"I'I"D'I" 'IJ 'IJ"'I '
/ 3 (' <-3% 5 ' 23 -:''(%2 ''
/-)-:' +- &- *' /' ::-/2 T' I "N'
-20* *'' (' (0*' 8%;-+-' 1-%'*'
I "'N 1 3 .*::*2' (' '% */2* ' I JN'
-. . /(*2'(' -'0 ;0' && 1*' I J'
/ %72' <-+/ ' 3 / '(*' &' .%=: 1'
+ 8'' ' !J N' -((*3 .(' /'0 '': &*'
!JI
/ -8%65 '(*3 .:*''?'**' 7* 6'-%@'
/) 7'' , - . - /*'*' 2*'. -(10*2' ('
% .*' ' IJ
. 1' -' . '*' /' (0*')* (0 +' &'
(0*' - -' ' "' '
>1% ' /')-/'' ' '
>0 = (/'0 '(1'-(' < (' 'I '
>(*/(' -%2' - *-' &', - . - /' '!

" f', - . - /*'*' -(' '-8-' ' D!'
4*('0 '3 ' '>>)
4 *6- 3'' /(2%1*2' ' !'
4 '062 7 /;'& '3-/% *' 'I '
4 3 '-' (0*' *1*/(' +-' &', - . - /'
-; - /'(' ' ! ' ! 'N /2*3 / (7'
. - 2' =7' %'' -'! '
4 % 10 ' 'I"!
4%'2) ' /'(0*' & 8 ' '!I N' '
D"
$%10 %' 'I J'" ' 0 2A% 8-@'
4%; 68-+-')* ' ' I '
4%5))- -' *;*/('' ' N' (0*' 0 %'*' 'f
&'& %/2*2' I N' '*'-/2'*3 /*/1*'
!I'N .. *'')*'. +* ' ! '
4%5 67-3-' (0*' '-1 *2' 3 %/(- /'
' I 'I D' I !N' ('' 0* ;0('I DN'
-' 2 3-/(' / (' *>(/1(') :1-/ '
I "N' :*;*/2' & (' ; /' I "N'
1%:( )-(/'I "N' . :; 3-;*''(' ('
'%3 3 (' I J
4%' *2-':%/10* /'-(' 'I "

A 22 'BC.'J- ./B''0-=;4/'C 5/. '' '
!!"
-A*((*' ;)* /3*/(' .%=: '0*2' '
I "
A $ " ' 2-/1/;' ; :'' ' D '
N' '10 :'& 'IID

I =(# ! " + ((*/' =7' % -6'
'-8 6 0 8 =/ ' ' !! ' ' J ' ! ! "'
'0 /*'(0* ' 'IDDN' (0*'; 22*''
(0* *' + '0 . .*2' IDJ'
/;' 8 /;' (0' '*/2'' -' & 1*' ('
/)-2*' <%'0 3 -' -/2' 8 ' ' I N'
0 '' - 3 -2- ' I I'N & /-:2*'(%1(/'
I !
1/ 6 /'?0 %'*' &'*/ '@ ''*/-(*
' !JD
* : ;7' '
8-8%5' ?' :)* 6'(*2' (* 3 . :*@' '

6 - ; ' (0* %(: 1 3' 3 . * ' '
JN' *'1-. *'' & 3' 8 ' J N' *C
'(*2' (' 0 '' 1-. (-:' JJN' *'1-. *''
(' '0 / ' DN' 0 '' 2*-(0' J'
26-/1*'(' '*>(*3*' -;*' &' ' '' '
2'' &',-5 -/'(0*' /%3=*' &' (0*' '
! N' (0*' # ' ' '>>) ' D ' D"
' I"
2' '(0*' + -7' &'(0*' 'D ' DI'
A $ " (0*' -', -. -/*'*' *: ; %'' *3C
=:*3 ' ' ! I ' !D ' " N' ' J '
8*/ /'(0*' ' I '
6< 3 ' 3 . * ' ' I I '
:2' 1%. ' ' (0*' 8-2 F" ; &('' &' '
I
6 -8% -6 -10 ' 3 . *' ' ' ' I ! J'
6 0 -8-+-' (0*' W1: '(* *2' *3C
. * F' ' DI' P
6 =-'*>6*3 . * ' ' " N' -((*3 . ('
(' -' '* (' (0*' 3 . * -' ;0(' ' "' N
1 /(*'(+ (0'0 '' 3 / '(* ' '0 (8 '
"
-)*7- 2' ') ::-;*' ' J '
&& 'F' % $ #* " ') ' I '
ID' D ' I ' ' I I ' !D' DI'
" ' J' ' ! ' IDD

' &' -3 8 ' 0 /('(*3 . :*'
&' '
-10 3 -/' ' ! '?'**' 5 /6 */ / @'
-10 3 -/6 ' ' ! 6 ! '
- ':-= % * 'F 3 3:*' &'2 *'' /;' ' '
-8 /2':-8*' ' ! "
666666666 3 %/(- /'' ' ! ' ! I
-3 -3 -('%' ' I !'
: -/'2) ' /'(0*' ' ! I '
" ' '% 1 2*' ' J ' '
- = % '' -/2'(-2 /;' . ('' ' D'
- 3 -' '*-' (0*' ' '
- ' ' *1*)*2' /' *2 ' =7' (0*'
0 ;%/' ' I "!
-)*'(' . -7* ' ' (%-:' ' D ' D '
-(-3 ('(0*' ' I

* 5 ' (0*' =-((:*' &' ' DI'
+'8/' ' 3* 1-/' '*1 *(- 7' &'
:*;-(/'3% 2* *2' ' I" '
=-10 '(0*' '
22(-2-' - . . /(*2' / 3 /-::7' ('(0*'
0 ;%/-(*' ' I N' '%11**2'' 0 ''
&-(0* ' I I DN' '*/2'' -' '%=5*1(('
% .*'(' '(%27' (' *: ; /' ' I I "' N
2*1 2*'' -;- /'(3-/'#-(0 : 1 '/&N'
I I "N' -%(0 '*'' (0*' & %/2 /;' &'
(0*' 7*/ ' (*3 .:*' ' I I "'
2*7 ' ' /' &'(0*' F- 8 ' ' I JN'
) :(' ' I N' =' *;*2' -('-8-'
I N' *) :(' '-;- /' I N' 1 3 3 ('
'% 1 2*' I
2*7 '0 ' ' ' ; /-::7' -' !! "'
N' - . . /(' -' 10 :26'%11*' ' '
(' =%/;-' JN' 2*1:- *'' +- '
-;- /'(< *-' N' (0 *-(*/'#0 /-'
N' 0 '' -3=(/' I N' =*1 3*''
(0*' -8 ' I N' 0 ''10- -1(* ' I N'
-/*12 (*'' &' I I N' . *. - *'' (' /C
)-2*' < *-' ! I' N . 1**2'(' < %6'
'0 %' ! ! N' 2*-(0' -/2' (%1*' + (0'
< *-' ! '" ' ' ' I I @'
;-'0 6 (-/ ' 9%220 '(' (*3 .:*' &'
'
; ' (0*' & *;/' 'B%-2 /'' -('
I ! ' I DN' ' '" ' < =D@'
-(-' 0 '' /'(%1(/'' -/2' . -7* ''
' D ! 6DJ
-(-' ('%(-/2' 1 3 . '*'' 0 '' G' < '6'
0 6'* =%/' H -(' 0 2A% 8-' ' I '
'(1' .* 2' 1 3 3*/1*3*/(' &'
/', -. -/' ' L
;-' (0*' *=*:'' /' ' !D!'
7* 6'-/' (0*' ; *-(' (*3 .:*' &' '
' ! 'N 2*'(7*2' DN' '
> /F' -11 %/(' &' (' I I 6 I I '
5 ' &-3 :7' (0*' ' "N' (0* ' &-::'
JN' ; 2' -/2' . -((1' '*) 1*''
J N')* (0 +' J"
666666666 (*' G:-(* H' &' 2 +- -'
JN' ('' & /-:')* (0 +' '
8%'- ' (0*' , -. -/*'*' ;- (0' '
'
/;-/5 '& (&*2' (*3 .:*' -/2' 3 /C
-'(* 7' &' ' DN' ' *;*' -/2' '% */C
2*' ' "
%5 ' -/1*/(' 9%220 '(' (*3 .:*'' &'
' N' *: 1' &' 9%220-' ' J N'
1-) /;'' &' $ /1*' 0 (8%' JI'
7* 6'-/' (''. *-8' . 2%1*2' =7' -/'
- (0B%-8' '

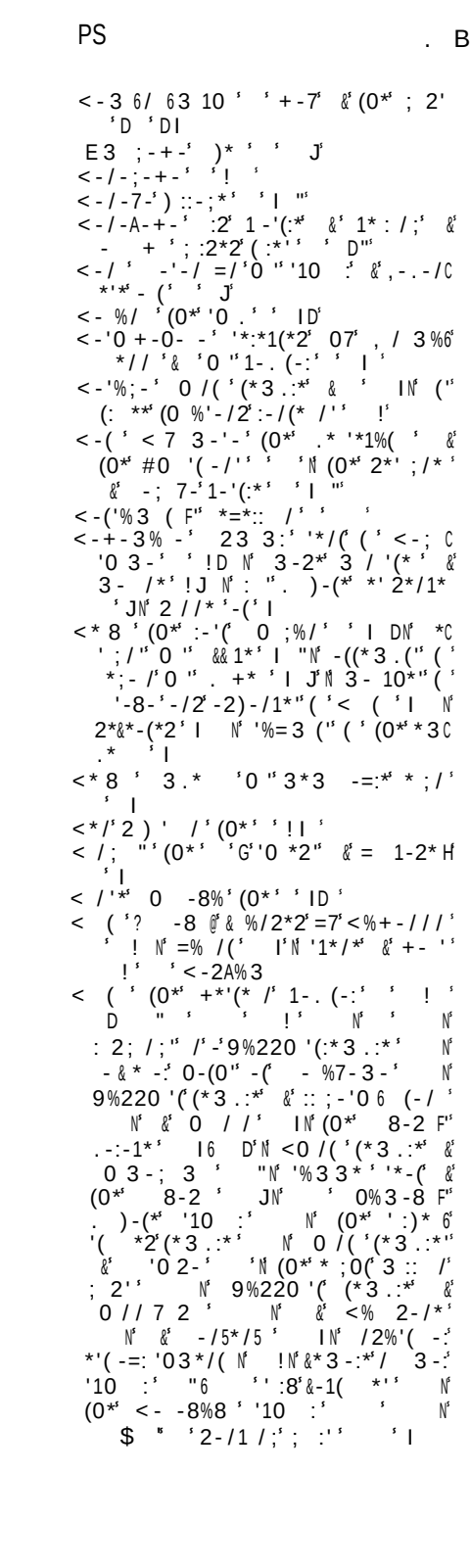
#$!''/ +7' -/;*'' &' ' IJJ

2 :' ' 9%220 '(1' %'*' &' ' J '
2A%' 0 ::' ') *+' &' ' ! I'
: ' 1 *-(*2' - ' ' 10 *&' 3 / '(* '
&' (0*' 0 ;%/ ' ' I"!' N 1 /1:%2*"'
(*-(*"' + (0' & * ;/' ;)* /3*/('
I "DN' 1-::*2' (0*'`' +-;;* /;' $ 3*'
/ '(* H' I""' N -''-'' /-(*2' I" N'
0 "' 0*-2' *>. '*2' I" '
Q (7 6/ 6 + ' $ /1*'"' *;*/(' '
J
/1*/'*' 1* *3 / -:' =% / /;' &' '
I I
/& / (*') ' /' -' 9%220 '(' 2*=-(*' /'
' I6
/:-/2' (+/' ') ::-;*' ' D'
/'0 -;-' (0*' .- /(* ' ' I '
/' ;/ -' (0*' 3a@* -:' ' I N' 1- *2'
&&' =7' $%5 + - 6 3 (A%' ' '
'J' -/1 */(' '0 /*"' &' ' " 'N ' IDD'
'0 =2') ::-;*' ' I ! J'
'0 7-3 -62* -' (0*' &-3 %"' 9%220 '(
(*3 .:*'' ' I ! !' N :*;*/2- 7' ; /'
I !D
':-/2"' &' ,-.-/' ' 6D' '
(' ' 0 3*' 3 / '(* ' ' !" '
('%8%' ':-/2' ' I N' (*3 .:*"' &'
7-5 3 -' I
:723 ('%' '%11**2"' 2*(-2-' ' I I JN'
0 "' &*%2-:' . : 17' I I J' N & =2"' -::'
& *;/' /(* 1 % '*' I I N' -/2' (0*'
1 /'(%1(/' &' '*-6; /;')*' '*:' '
I I N' *) :(' -/2' 3-''-1 *' &' (0*'
#0 '(-/'' I I N' 0 "' /*+' 1 . .*'
1 /-;*' I I
,723 10' 0 ;%/' 0 "' -11*'' /'
I""N' 0 "' 2*-(0' I !'
:72'-2-' 0 ;%/' = "' -11*'' /' ' ID N'
0 "' 2*-(0' I "D
:72('%;%' 0 ;%/' '%. . *''*"' '3%;C
;: /;' ' I !D
:72('//-' 0 ;%/' ' I ! N' */1 % -;*"'
: (* -(% *' I ! N' 3- (3*' 1 3C
3* 1*' I !
:717-'%' & %/2* ' &' (0*' 8%;-+-'
27/-'(7' ' J' I DN' = (0.:-1*'
I "' ' I N' *'(-=: '0*"' 0 3 '*:&' /'
(0*' <%-/(' ' I "N' & %/2 "' > % "'
I J' N ' : ' *;*/(' I JN' 1 /'. *2'
-;- /'(' I J' N =-((:*' &' *8 ;-0- -'
I 6I N' 1 *-(*2' 0 ;%/' I N'
=*' *;*"' '-8-' I N' 2*7 F"'
&-3 :7' 2*'(7*2' I N' ''%*"' -/'
2 1(' & ' (0' *>.%:' /' &' (0*'
,*'% (' ' I N' .* '*1%(*"(0*' #0 'C
(-/'1 /)* (' ' I !N' . 3 (*"*2%1-C
(/'-/2' :*- / /;' I DN' (-8*' 1 /C

(:' &' (0*' /*' ' I "N' */1 % -;*"'
& *;/' 1 3 3* 1*' I "N' 0 "' 2*-(0'
-/2' G:*;-17 H' I JN' &*%2-:' '7'(*/LE' &'
-2 3 / '(-(/' I N' . 1:-3-(/'
/(* 2 1(/;' #0 '(-/ (7' (0 %;OC
%(' (0*' *3 . *' I N' -(' 0 2A% 8-'
' I
A-/-;' -/2' A-/-3 ' ' >> > ' I N'
(0*' 3*(0 2' &' 1 *-(/' !

> 2 '*3=-''7' (' % .*' ' 2, '
,-.-/*'*' . :(1-:' -/2' /(* /-(/-:'
. '.*1(' ' ' >>>
,*'% (' 3 '' /- *' ' (0* ' I ' N (0* '
/%3=* ' ' I N' -((-18' (0*' 9%220 '('
. *'('' I J
,*+*:' ' # ! # " ' 2) /*' ' D!'
, 3 3%6 */ / ' & '(' 0 '(1' *3 .* '
2*'1*/(' &' ' ! " ' N 0 "' 1 /C
B%*'(' ' I N' .-:-1*' I N' 3 .* -:'
'-:%(*' /' 0 / % ' &' 0 "' -11*'' /'
' !I
, /;'%'6< ; ' 3 . *' ' ' ' ! N' 0*' /C
)-' /' &' < *-' DN' 2 .: 3-(1'
:-(/'"=(+**/',-.-/'-/2' #0 /-'
I ! N' = /;" = 8"' -/2' + (/;"'
& 3' < *-' I "'
$ $ ' 3*/' ' I ! J' I ! '
, ;-88 ' ' &*3-:*' / 3-:' '10 :' '
"
, 8 =-' ' &*3-:*' /2%'(-:' *'(-=C
: '0 3*/(' ' "
, (' 3 . *' ' 0*' ' *& 3' ' ' I '
, '*('%' (0*' - ('(' ' "

/ 7 '(0*' 1-. (-:' /' <%+-// F"'
;/'-&(+- 2"' < (' ' ! '
<-*3 .&* ' /' (0*' ; /' &' (0*'
,-.-/*'*' ' "N' 0 "') ' ('(',-.-/'
I ! I' N 2*'1 =*"' :-8*' -8 /*' '
! "
" ' 3 %/(- /' 10- ' ' I DN' ('
2'1 3& ("(' -' % .*-/'! '
<-; '0 3-' = 3=- 23*/(' &' ' I JJN'
*3)-:' &'(' *"' -/2' - 3"' *' '(*2'
' ! ! ' ! D N' 11%. *2' =7' - ; '
! DJ
& # "0-/; /;'. 1(% *"' 3 %/(*2'
/' ::* ' ' '
<-3-8% -' & %/2*2' =7' (3 ' '
D N' ("' -;; -/2 '*/ */(' 2N' ('
&-::' -/2' . *'*/(' 2*' :-(/' S('
((-F"' -((-18' %. /' J!6 J"'
<-3 ' (0*' ' ; 2"' &' (0*' 1 %/(7' '
>>) ' S
<-3 62-/-' ' $*/-(*' ' D"N' ' I"



< *-/ X@ -(1 -((-18 (0* 'F-/2 &
'%'0 3 - ' I '
< 7-3-'(+/ &' ' J!'
< %5 ' -/1*/(9%220 '((*3 .:* &'
' D 'N *3 / '1*/1*' &' $ /1*
: (8%' D
< '2 / ' <-/- 82'(0* & '(, - . -/*'*
- ('(' ' D
&((8%' 3 .* ' ' '
< A%' 0 /(' (*3 .:* &' -('-8- ' '
D
<%/-3 ('1-'(:* &' '!D '
<% :* ':-/2' ' !N 3-2*)* ' ('
, - . -/' !
<% 2-' */* -:'0 ') 1(7)* '(0*
=:' ' ' I !N 3 / '(* ' &(E 6
1%:(% * -/2 (0* 1 : / *' '!J!'N 0 '
-23 / '(-(/' /' *A '!J!'
<% 2-/ ' 9%220 '((*3 .:* &' '

&! $ ' '9:-18 #% */(' 'J
<%'%/ 8 6 -'-'0 ;2' ' W -/8 F '
JIN %/2* (-8*'' (' *'(* 6
- ; ' JI'N 0 '' + '* -2) 1* *C
5*1(*2' N -22 *'' ('0 '' ' /' N
2*&*-(' N '%1 2*' IN &-3* -''
-' . -((' IN ; -::-/(7' -/2' 2*-(0'
&'0 '' ' /' !6 D'
<%+-//%' 3 .* ' ' N (-/'&* ''
(0*'1-. (-' ('<-2A%3 ' ! '
<+-// /'(0* ; 22*''' &' -' (0 %'-/2'
0-/2'' ' N 0* ' (*3 .:*'' -(6'
; ('%' ' N 3 -1%: %'' - . .*- C
-/1*' ('$ /1* 9 A*/' I N 1 : ''-'
= /A* '(-(%* &' -(3 A-8-' I

Y! &;=-L' ' ! N <'/G.H < B@' = '
<G<4'' ! N 4' -. 5=B.' B 5./'' ! IN'
0.H 4.' <40' -.K K< '' !!' ' G-=H.//' = '
<@ 4A' =4'' !DN' A= 0' <40' / K.-'
< G .0'' !'' '!J
-1B%* ' /:- 2' -/2' =-3= 6+ 8' -(
0 2A% 8-' ' I J'
-8*'' &', - . -/' ' ''
-/;%-;*' (0* , - . -/*'*' (' ; /' '
>>) N %/+ ((*/' ' D N -:'
(*-10 /;' D ' '' 'N 1 : ''-:' '7'(*3'
&' 3/*3 / 1'' ' N -/1*/(' ' N'
(0* 610 ' 2 -:*1(' ' I N' -' % -C
/ -/' (/;%*' ' I N' ' 72*'
#:- 8*F'' (0* 7' J!N' 10- -1(* ''
& '(/(2%1*2' & 3' < *-' ''DN'
#0 /*'*' : (* -(% *' ''DN' 0 /5':*((* ''
&' (0* G' ; 26-;* H' ''N' '. 8*/'-/2'
+ ((*/' ''J'N #-.(' 9 /8:*7' /' I '
''N' # 3.- -( )* -=:*!!

-+'' /+ ' /' &' (0*' ' ! I !N' 1 2*''
&' ' -/2' ! ' ! I !N' *.*-:' &'
=- =- %'' ! ID' 5
;-17' &':727-'%' (0' ' I J'
;/2'' , -.-/*'*' ' !''N' ' I 6'
I I
((' &' -', -.-/*'*' ;*/(:*3-/' (' -'
#0 /-3-/' ' J 6 N' /(* 10-/;*'
&'. '*'-/2'. *(7' ' I'
;0(0 %'* =%:2 /;' 1 3 3*/1*2' '
I ''
(* -(% *' &', -.-/' ; *-(2*):*: .C
3*/(&' ' I ! !' N ' '' 'N /&:%*/1*'
&'+ 3*/' /' J
610 ' ':-/2''(0*' ' !N' (0*'8 /;C
2 3' &' =*1 3*'' '%=5*1((' (0*'
. /1*'' &' -('%3-'! 'N (0*:-/C
;%-;*' &' ' '' ' ''
(%'' (0*' *3=:*3' &' (0*' 9%220 '(
&-(0' ' J

! # ' 2) /*' 5*+*:'' ' ! ' ! I' N
' D!
-;*(' ' /'(0*' -2)-/(-;*'' &'(0*'
, - . -/' ':-/2'' ' !'
' ' '(0*'(%*' /-3*' ' I '
-/%&-1(*'' ':8' -/2' 8 # ' '
I I !
-'-; ' 3 . ' /''0*' &-(0* ' ' '' '
-'-'0 ;*' ' <%'%/ 8'
-'-('/ -'2*&*-('' -8-6 5 F'' :*/* -:'
' !N /(*) *+' + (0' (0*' *3C
.* ' !'N ; -::-/(2*-(0' D'
-('%/ ', /'0-' 0 /('(*3 .:* &' '
I
-('%A-8-' = (0 .:-1*' &' (' '
ID N) '('(' -' ; :'F '10 :' IDI' N
(0* *8%' '0 /*' IDDN' (0* -8 '
' //*' '0 /*' ID N' 1* *3 / -:'
(*3 .:*' 2-/1*' I''I' I''!'
-7*A-8-') ::-;*' ('' &'0* 3*/' '
I !
-7% -3-' 3 /* -:'=-(0''-(' ' '
2 (-/*-/' (0*', -.-/*'*' ' '
10 '-/*' =-/ '0*2' (' < %'0 %' '
!DN' 2* &*2' -'' (0*' ; 2' */5 /'
!D
0- - -+-'=-7'-/21-'(:* & '

8-2 '(0*' .-:-1*'-(' < (N ' IN'
(0 /*6 3' '(%2 ' !N' =*2C
10-3=* ' DN' -.- (3*/(' &' (0*'
*3. *''' DN' 3.* -:' ;-62*/''
D
666666666 '0 '' '%3 3* 6'*-(' ' J
8-2 ''(0*'2) /*' 2*'1*/('!' ! 'N

. -7* ' &' D !N' ' 3 . : 1 (7' &' (0* '
:)*' ' . -:-1*' '] 1 ' ! N' =% -:6'
R . :-1*' ' ' " '
::* ' ' ->' '>>) ' !'
3 - -' . -7'' (=%(*' (' , - . - / ' '

3 '%' ; -+ -')* ' ' ID '
/ - 3 ('&- 3 :7' (0*' ' !"N'%'*'(0*'
+0 (*'&:-; ' ! 'N ; + / ;' /&:%*/1*'
! 'N ' / ;' 3 : (- 7' . +* ' D N'
('' ; *-(*'(' 2*. *'' / ' D"N' -'1*/C
2*/17' " N' '(%; ; :*'' + (0' (0*'
5 '&- 3 :7' "J
/ -(; -+ - ' ; *-# = -((:*' &' ' '
/*' ' (0*' . :-1*2' %/2* ' (0*2 *1(/'
&' 8%= 6 ; -7-'%' ' I "'
'0 6 */% ' 3 . *'' ' ' I I J'
' (0*' '-1 *2' '7 3 = :' &' 0 /('
&- (0' ' I ' ! I ' !D ' D N' ' '
'0 3 -' ; *-(' 0 /(' (*3 . :*' '
I N' ('' (*-'% *' ' I 'N (0*' 7 '
&' ('' ; 2' ! '
' '-8-' ' I D
' ' /- *' ' , *'% (' =% /(' -(' -; -C
'-8 ' '
7-' (0*' . (' &' -; 7-' ' I JJN' ('
; -(*+ -7' ' I '
7-; -+ -')* ' ' IDD'
7-5 3 -' -/1*/(' (*3 . :*'' &' '
I N' '-1 *2' 2** ' -/2' 3 /8*7' '
I N' 0 /(' (*3 . :*' -(' I IN' ; /'
&' ! I ' I DN' 9%220 '(' (*3 . :*' &'
-' (0 %'-/2' 3 -(' ' IDN' '(7' &'
'0 (-8-' -/2' (/- ' ID6 I J'
10 6 5* ' -' '-' ' /-(*2' ' '
2*:6 . 1(% *' -(' (0*' */2' &' -'
=-/B%*(' ' " ' I ! ' I "'
/*(- 7' '7'(*3 ' /*+ ' ' ! I "'
/*7' 2*' '7'(*3 ' ' ! I '
/ ; :' - (- ' ' (0*' /)-' /' =7' '
J
/8*7' ' '-1 *2' &' 7-5 3 -' ' I '
/' -/2' (0*' ?, %18 ' (0*' :*; */2' &'
' 6 !
/ -; -' $ /1*' ' JJN' 3% 2* *2'
=7' -8-6 5 ' J
G' / /;' -/2 H ('' 3 *-/ / ; ' ' I'
%(6 / ; -' = (0 . :-1*' ' ID N'
0 '' + (/ ; ' ' ID
%/ '*7F' 'G' -('%3 -' *=*:: / LF'
' ! ! I
%/(- /'' &' , - . B/ ' 0* ; 0(' &' ' D'
%::* ' ' ->' '>>) ' !'
%' 1' , - . - / *'*' ' I '
%' 1 -:' /' (%3 */(' ' ' D '
%('%6 : ' . *'*/(' *3 * ' &'

, - . - / ' ' N' 0 '' -(0' (' . 3 (*'
*. *'*/(-( ) *' ;)* / 3 */(' I N'
2 '(-1(*2' '(-(*' &' (0*' *3 . *' /
0 '' -11*'' / ' ! D N' '%. . *''*'
'%11*'') *' *=*:: / ' ! " N' ' 3C
. : 1 (7' &' 0 '' 1 % (' ! " N' (%=:*''
&' 0 '' * ; / ' ! " IN' 1 /'((%(/-:'
=5*1('' ! "DN' /*+' & 3' &' ;)* /C
3 */(' ! ""N' : '(' &' 1-= /*(' 3 / '(* '
! ""
7(0 : ; 7' &' , - . - / ' :*'' *. %:') *'
(0-/' (0-(' &' (0*' **8' ' '>>) N
: ((:*' %/2* '(2' N' (0*' -1 *2'
9 8'' +0 10' *3 = 27' (' I

B * 2 - ' ' ! ' 1 -:6 3 /*' ' ! I ' N
;)* / 3 */(' *'(-=: '0 3 */(' ' ! ! ' N
/ ; : '0' 10% 10' 3 '' /- 7' ' 1 *(7'
! "
-; 7-' 1 (7' &' ' I I ' N = -/B%*(' -/2'
>0 = (/' &' . 1:- / ' I I ' N 1 -'(:*'
I ! N' ; :2' &' 0' I DN' -((*3 . (' ('
'(*-:' /*' I DN' 0 '(7' &' (0*'
1 -'(:*' I "
- 6 - 65 / ' (0*' & 91*' &' 1 *-(*2' '
I
- 8%' (0*' / /*' ' 0 /*' &' (0*' '%/6'
; 22*'' ' ID
-/5*/5 ' 9%220 '(' (*3 . :*' &' ' I'
-/8 ' ' J I' ?'*' < %'%/ 8 @
- -' & '(') *+' &' ' J ! ' N (0*' ; *-(
(*3 . :*' &' - 6=%('%' J"' N 1 : ''-:'
; 2' &' = /A*' -/2' ; :2' J"N' (0*'
'%. . (* ' ' JJN' 0 '(1' *: 1' '
J N' & (. /(' &' 9%220-' J ' N
(0*' ; *-(' =*:: ' N' (0* ' (*3 . :*''
&' 6 "
- -' *3 . *''*' ' (0*' *)) -:' &'
0 /(' %/2* ' ' N' (0*' 3 * -:'
1 -. (-:' 2% /; ' '*)* -:' * ; / ' '
!
- %3 ' (+ / ' ' I
-) -:' - 10 (*1(% *' & '(' 1 3 3 */1*2
' ID
66666666 *) :(' '%. . *''*2' ' I J
-) 7' (0*' , - . - / *'* L' 2*'(7*2' =7'
=7' (0*' < *-/ ' ' ' !
666666 ' 3 . * -:' *'(-=: '0*2' ' ! I
10 */' -/2' 0 '' '*1(' ' N' (0*'
G' 9-/(* "H &' 9%220 '3 ' '
; 0(61 7 / ; ' '(/*' (0*' :*; */2' &'
' I
; 0(/ ; -:* ' (0*' , - . - / *'*' ' ! I'
$ $ " (0*' ' I ! N' /2 1-(/' &'
#0 /*'*' /&:%*/1*' I "'
88 ' '0 /*' ' ' I

Ed / ; 6/ 6 8 (' I '№ (0*' W) -/'
; -/210 :2 F ! № 0 '" *' 2*/1*' -('
%;-' I
/(8%' -(' '-8-' ' " ' ' ! №
-/2' 0 '" = (0* ' (0* ' ;*/* %'"
1 /(*/(/' ' D
' '9%220 '(' ;-(*8**.* ' ' ' IJ'
)-/-'2 1(/*' & ' J '
'0 6 /;-/5 ';*-(' 0 /'0%' (*3 C
.:*' &' ' I I
'0 6 (-/ ' 0 /'0%' (*3 .:*' &' '
III
((-' ' '-2-' ' J!'№ 2*'* ("& 3'
(0*' 5 ' (' (0*' 3 .* -:' 1-%'*'
J!№ 0 '" 3 :(- 7' '%11*'' ' JDN'
-..*-:'(' (0*' ; 2' &' (0*' '*-' J"№
1-.(% *'" <-3-8% -' J"№ ;-::-/('
2*-(0' "
=%/-;-' '*' &' ' DN' -((-18'"
' 3 (F' - 37' -/2' 8 ::'" 0 3 '
"№ 1 33 '' /*2' =7' (0*'*3.* '
('.-1&1-(*' (0*'1 %/(7' "№)* C
(0 +'" (0*' &-:'*' 0 ;%/' "№ (0*'
=-((:*' &' /-;-+-' JN'0 '"-=:(7L'
№ .%=:1'-1('' № 3-2*' 2- 6'
5 /' №. (*1('' #0 '(-/ (7' №
2*'(7'" (0*' 9%220 '(' . *'('' -/2'
=% /'" (0*' (* /N: *'" &' 7* 6'-/'('
(0*' ; %/2' DN' 8 ::'" 0 3 '*:&'
J
"(0*' ', -.-/*'*' (%-:' 'DJ6'
"I
3-:'10 :'&*3-:*' ' "6 '
% '* 7' ;-2*/'-(' '-8-' ' !

; +'-(' <-/2-' 'II'"'
60- -'(0*' 'I" 'I" '
;-+-')* ' ' "' "I "' I № '
I D'I "
5/6 */ '(0*' ; 2' &' +- ' ' D'N
. 3 (*'"'0 .6=%:2 /;' IDN'+ (C
(*/' 10- -1(* '" & '(' /(2%1*2'
I"№ 0 '" =% -:6.:-1*' ' " № '(::'
+ '0 . .*2' =7' -::'1:-''*' " '
8-A-8 ' = (0.:-1*' &' :7*7-'%'2
I 'N ; -/ (*'B%- *' ' I '
8*/6 '. /1*'2*1: /*'" (0*'1 +/' /'
&-) % ' &'0 '" = (0* ' <*/' ' ' J'
8 '(0*'- ('(' ' ' '
8' -8%('3 / '(* ' &'5%'(1*' 'IJI'
8%= '3*3 -/2%3' (0*' 'I D'
8%3-' '(0*'&/-/1*'3 / '(* '0 '"
& 3'' ' !" № (0' G, -.-/*'*'
:-2'(/*H!"
' 3-: ;0(0 %'*'. *1-%(/'"-;-/'('
- (0B%-8'' ' :"
;-/(/' $-2 *' 0 '" /(*) *+' + (0'
=%/-;-' '
; /' &'(0*', -.-/*'*' ' D6 ' '
6'-8-' (0*' -/1*/(' -/ +-' -/' 3C
.* -:' 1 (7' ' "№ *=*:: /' -('
I 'N '%11*'')*' '*;-*'" &' I I '
I № ' !JN' 0 '(1'-'' 1-(/''
!JN' 3.* -:' *1*.(/60 %'*' ! №
/% '* 7' ;-2*/' ! 'N < A%' 0 /('
(*3.:*' D № 8%2-3-' (*3.:*'
D № -/1*/(' 9%220 '(' (*3.:*' &'
< %5 ' D № (*3.:*' &' 3%6'
7 '0 ' (0*' '*-6; 2'' D № 3%'1-:'
'*) 1*' DIN' 3%'*%3 ' DIN'. *C
0 '(1' =-(' DIN' # ! # '
5*+*:'' D!N' &- ' D!N' 1-'(:*' D!N'
3 2*3' - '*/-:' DDN' 3 3*/'*'
3 / :(0'' DD'N 1*: /;' &'- +''
D"N' 1-'(:*' 8**.' =- -18'' D"N'
.)-(*', -.-/*'*' 2 //* ' DJ'N .%=C
:1'2 //* ' D 'N 3%'1'-/2'2-/1*''
D 'N -'' .**10' =7' (0*' . *' 2*/(' &'
(0*' 1: -/ (* ' &' 1 33* 1*' " №
2 -3-(1' [5* & //-/1*'' " №'0 .C
. /;' *>.*2 (/' "IN' . *'*/('
"!№ 3.* -:' 3 /(' "!№ 1 /''
"D
(-'&-3 :7'(0*' ' D' ' =%/-;-'
' 8%-/'=%:2*' &' *2 ' 'II '
('%' 'III
6%'%' $ /1*' ' I № 2';% '*'" 0 3C
'*:&'-'" -'2-/1/;; :'-/2' ':-7'" (0*'
- 106 *=*:' III№ 0 '" G '-1 *2'
'+ 2H I!№ 0 '" + &*F'' '*:&6'
'-1 &1*' I!№ /(2%1*'" :-1B%* 6'
+ 8' I!'
+- '=-7' 'I! '
7 $ "(0*' '1 :2'1% */(' ' '
7*'&-3 :7'(0*' X@) :1;*'" &' !'"'
7*' $ /1*' ;)*'" -/' 3.%:'*' ('
9%220 '3 ' '

& :'1% */17'/-(/-:' 'I!"
66666666' 3-/%&-1(% *' -(' ; ' ' D N
. 2%1*2'& 3' 2 &&* */(' 3-(* -:''
DI6DDN')- %" %'*" &' .-@* 'DD'
D"
$-..*/=* ;' (0*' 18' &' #0 '(-/''
0% :*2'& 3' /('(0*'*-' ' II '
$*/-:'* ') (%2*' 'I!D'
$* 7'# 33 2 *'-(' -;-'% ;*"-'
1 33* 1-:' (*-(7' 'IDJN' -5E.*- "
-'*1 /2'(3*'ID 'N =(- /"1* (-/'
.) :*;*"& 3'(0*' 0 ;%/'ID '
$0*-'-/(' (0*' '+ 2*2':*;*/2' &' '
I 'I

$: ; 3 '" (' '2' ' I ! ' ID ! ' I " '
G' $ :: +6+ 2' H' ' J '
$F: *6(** ' -/' -/1 */(' (0*' -/*/ 6'
-(A ' ' "' N :*:*/2' &' ID '
$ / '0-/ ;' 1-.(% *2' =7' (0*' , - . -/*'*
' ! J
$ *(7' , - . -/*'*' ' JI' N -')* '*' =7'
(0*' ; 2' %'-/ ' J ! ' N 10-/(' &' (0*'
: 22*' '" A% 3 D' JD N' (0*' '
7 $ " JD' N -' G' H' J " N' '. *1 3 */ ''
&' / -( ) *' JJ
$: 1*' (0*' ' IN' *'1 (' & ' (0*'
1-= /*(3 / '(* ' ' ! D'
$: 1*6& 1*' 1 /' ((%(*2' ' ! I I ' ! I I '
$.%:-(/' &', - . -/ M' /' DD' ' I ! J'
$ 1*:- /' +- *5 (0*' &' *(' ? +- @
' I I
$ (' ' 1: ' / ;' &' (0*' ' IJ '
$ (%; -:' =*; / / /;' &' /(* 1 % '*'
+ (0', - . -/ ' ' I D'
$ '(-:' 7 '(* 3 ' ' >>> > ' ! I '
$ -7* ' ' 0 /(' ' D ! ' DD ' D " ' D '
$ -7 / ; 6+0**:' (0*' ' I '
$ *'(' ' 0 /(' ' J ' J ! ' ' '
$ /1 . -: (*' ' (0*' '% */2* *2' ' ! '
$ 2%1* 'N (0*') /*L-/2' &(7' '
>> > ' I
$ &*' ' '= %; 0(' & 3' & * ; /' 1 %/C
(*' ' I
$ (*'(-/(' 9%220 '(' &', - . -/ ' (0*'
J
$)* =" -/2' .0 -'*' &' (0*' .* .:*' '
"6 I
$%=: 1' / '(/:1(/ ' . ; *' " &' ' I ! J

B !' (0*' , - . -/*'*' (' ; / ' >>) 6'
D' L' Y L
-1*' ' 3 >(% *' &' ' '
- :+-7' ' ' " ' J
; -: -' 3 . -:' ; /' &' (0*' , - . -/C
'' ' IDJ
* ; */' 3 .* ' ' I ! '
* / ' ' /' (0*' 1: 3 -(*' &', - . -/ D'
6
* A* 6 */ / ' *) :(' /' 0 '" * ; / ' '
!"
*:-(/'" & /; :-/2' -/2' , - . -/ '
. *'*/(' 2 .: 3 -(1' '>>> ':' '
*: ; /' *- :7' &' (0*' , - . -/*'*' '
>>) 8' !
*: ; %'" *:* 3 *5 (' /' (0*' , - . -/*'*' '
>>) ' L
*. *'*/(-( ) *' ' (0*' & * ; / ' *1*) j 2'
=7' */ / ' (0* M' *-)*/68 / ; F' ' I

I' +9:9)' *&*.) & " ?&.)' Q ' & :

1*6& *:2' ' ' D
10- 2' / ' ' 3% 2* *2' ' IJ "N
/2* 3 / (7' 2* 3 -/2*2' -/2' . - 2' IJJ'
= % ' 3 . ' ' "J'
; 0(* %'" . - (7' (0*' ' I !'
)* ' /-) ; -(/ ' ' J J '
)* 6=*2' ' -'*2' ' J '
)* ' ' (0*' . /1 . -: ' ' D'
3 -/' #-(0 : 1 ' 3' /' , - . -/' ?'**'
#0 '(-/ (7' /' , - . -/@
/ / ' ' (0*' *=*:: /' &' ' IJ '
(& $ " (0*' 1 3 . '*2' =7'
%; -+- -6 10 '-/*' ' !D'
%'' -' 2*3 -/2'' /' , - . -/' ' I ! '
ID N' +- ' ; 0 .'" -(' (E%. ' ! ! '
! D' !

! E4=' C 7 # ' ' IJ " ' ! ! D(' 2 'C
'-('&-1(/ ' ! ! " N') ' (' B8 ' ! ! N'
3 /'(-('' + (0' (0*' 3 .* -:'
;)* /3*/(' ! ! N' - 1*. ('L/ 3 /-:'
&& 1*' /' (0*' *3 .* F' 0 %'*0 :2'
! ! N' *(% /'" ('<-; 0 3 -' ! ! '
-; -3 ' '*-' =" :' ! '
-; 0-: /' '% */2* *2' (' %'' -'
' P ' %
-; ' &' -('%3 -' L' ! ! ! N' 0-(*2' &'
(0*' 8%; -+-' ! ! D' &' -((*3 .(' ('
2 +' 0 3 '*:& ' ! ! " N' =-/ '0*2' ('
'0 3 -' ! ! "' NM *1-::*2' ! ! "' N '%. 6'
P. '*2' . : (1-:' 3 -/ &*'(' ! ! JN'
1 3 3 -/2L* 6 /610 *&' ! ! N' + (0C
2 -+" ('0 '" .) /1*' ! ' N /) *'(" '
<%3 -3 (! D N 23 -:' <-+-3 6'
% -F' -. .*-:' ('0 3 ' ! D ! N' 0 '" / ' C
:*/(' -/'+* ' ! D ! N' *'1-.*' ' !D" N'
1-.(% *'" <-; '0 3 -' ! DJN' 2*-(0'
-/2' =% -:' ! D ' ! D '
-; ' */* -:' 3 / '(* '-(' +- ' ' ! " '
-8 ' ' ' ?'**' < (@
23 * ' 3 . *'' ' ' ?'**' < 8 8%@'
-8- ') ' (' (' ' "J' N 1- .*(6&-1(7
Y " ' L
" (0*' / -(/-:' =*) * -; *' ' " '
D
-:(' 55 2 1(/' &' ' I '
-3% - ' (=*. ' I ' I '
-/5 ' . 3*' 3 / '(* ' ' I "J' I J '
I ' I ' ! "J' ' I EI '
-(+F' ' /*'(' + (/ ; '" /' (0*'
3 7(0 : ; 7' -/2' *: ; /' &' , - . -/'
5' I ' IDE' IJ' D ' DD' DJ' JI

P S $. B R #

X (' 0* %;0' -/2 (0* ;*/(:*'

(-(% *' &,-.-/*'* 3*/'-/2 + 3*/'
' N ' "
(*-3'0 .''1 3 3* 1 -:' '!!!'
(:/;' *- 6 23 -:' /',-.-/' '
!"
(/*'(0* -1 *2' '! '!!'
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